Getting to Know Missouri's Equestrians

A Report from the 2008 Survey of Missouri Riders

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Executive Summary

Based on internal surveys, focus groups, GIS work and a survey of riders, highlights include:

- According to area managers, 183 Missouri Department of Conservation (MDC) areas have some form of equestrian usage, including 87 areas with "unauthorized" use.
- 15 Missouri State Parks have equestrian usage.
- Mark Twain National Forest (USFS) offers over 530 miles of trail for equestrian use, and also allows horseback riding on roads and cross-country.
- Ozark National Scenic Riverway (OSNR) has over 25 miles of trail for horseback riding.
- Focus group participants felt clear-cutting detracted from the recreational experience.
- Most Missourians are already within 30 minutes or less of public land that allows trail riding.
- Missourians took a total of 181,500 riding trips on public land in 2007. These included over 68,000 trips at 58 MDC areas (38% of the total).
- Sixty percent of horse trail users indicated they would be willing to help maintain trails.
- Five MDC areas were in the top 10 most heavily used riding areas in 2007, with the USFS managing the most used area.
- Total spending on trips is estimated at $27 million (with a total economic impact of $48 million).
- About 38% of riders rode on public lands in 2007.
- The average ride was about half a day.
- The availability of water for horses and parking were the most important factors when survey respondents were deciding where to go.
- Respondents felt that ATVs (but not hikers) caused problems for horses.
- Respondents want more trails.

Conclusion

- Agencies should provide good, consistent signage from the brochure to the trail.
- Agencies should provide good maintenance for safe, welcoming trail conditions.
- Agencies need to maintain good cooperation with each other to minimize expense and duplication.
- Enforce agency policies and explain reasoning behind decisions.
- If agencies do not have the resources to maintain them, close some trails. Triage out the worst, most expensive and/or least used.

Contents

The Issue

In past years, Missouri Department of Conservation (MDC) area managers and other public land managers have noted a lack of useable information about horse trails and horseback riders on public lands. Managers wanted to know what horseback riders want and what they would accept regarding trail development and maintenance, facility needs, and conflict management with other types of users. Managers also desired more information regarding who riders are, how often they recreate, and what they require for a quality recreation experience. In addition, public land management agencies have noted that there is insufficient information on equestrian usage at the statewide, regional and local levels. These agencies must be able to explain to the public why there are horse trails in certain areas and not on others, and why certain trails are open for riding while other areas require special use permits. Policy makers needed scientifically-based human dimensions information to support informed recommendations for guidelines on horse trails agency-wide, as well information on who the riders are, how often they recreate, and what they require for a quality recreation experience in order to meet those demands while minimizing conflicts and resource damage. Other public land managers, such as the Missouri Department of Natural Resources (DNR), the National Park Service (NPS), the Army Corps of Engineers (COE) and the United States Forest Service (USFS), were experiencing similar information needs.

Sound scientific information will help administration define and support policies that will increase user satisfaction by reducing conflicts between equestrian users and other users, and reducing the likelihood of damage due to inappropriate equestrian use. Policy makers agreed there should be increased public satisfaction with agency policies and regulations if those are based on sound scientific information.

Background

Equine use is an important recreational activity for many Missourians. In the 2003 Conservation Opinion Survey (Rikoon et al. 2004), Missourians were asked how great their need was for several activities, including horseback riding trails, within 20 minutes of their home. For the state as a whole, 16.4% of respondents indicated "great need" and 21.8% "some need" for horse trails. The highest need was expressed in the St. Louis area, where 20.5% indicated a great need and 20.2% indicated some need for horseback riding trails within 20 minutes of their home. When asked what they wanted to do or have when visiting an outdoor conservation area, 23.7% of respondents said they "definitely" wanted to "ride horseback on riding trails," while an additional 32.6% said "maybe," indicating that there is the possibility for increased equine trail use in the future. Equine ownership is popular in the state: the 2005 American Horse Council Foundation (AHCF) found that Missouri may in fact have the seventh highest equine inventory in the country, estimated at 280,000 animals (American Horse Council Foundation 2005a).

Opportunities for horseback riding or other equine use do abound in Missouri. The Missouri Equestrian Trail Guide, compiled by DNR, lists 82 trails, totaling more than 1,080 miles, where equine use is allowed. MDC owns or manages more than 350 of those miles, on 34 trails. Many of these trails are multiple use trails and can be used by hikers,

bicyclists and others in addition to equine users. Possibilities for conflict and increased trail damage exist and have been in occurring in Missouri and elsewhere (Wadzinski 2000, Moore 1994, Watson et al. 1994).

Area managers from several MDC Conservation Areas (including Forest 44, Angeline, Rudolph Bennitt, Three Creeks, Busiek and Poosey CAs) across several regions had already contacted Resource Science Division (RSD) staff for assistance in gathering information to help them better plan and manage for horse trail issues and user conflicts that have arisen on their areas. Horse trails in some Conservation Areas have historic significance (for example, old mail routes in Angeline CA) and are economically important to some local communities (for example, horse trail rides are the second most important economic activity in Shannon County). Rudolf Bennitt CA was in the process of reducing over 40 miles of horse trails, most of which are unauthorized, to 15 miles. At Angeline CA, new trails were being constructed and routed at a cost of over $400,000. Managers expressed a need for information to help guide, monitor and improve these processes.

Managers feel that trail guidelines must be enforced to discourage unauthorized trail development but did not have adequate information to predict and manage the human response to regulation and management changes. MDC administrators felt that solid, statewide information is necessary to help set department-wide policies, interact with the public and constituents and make informed decisions. In addition, MDC did not have a good idea of where trails are currently located, where there is increasing usage (official or unofficial), and where conflicts with other types of users are occurring or increasing.

From its inception, the Equine Trail Issues Project has been torn between two competing information needs: 1) statewide information that can help agencies set policy and management guidelines and 2) area-specific information that can help individual managers better manage their areas. One possible method of gathering information, on-site exit surveys, falls into the second category, while another, statewide mail-back surveys, can fall into either category. In addition, there was debate over whether to focus information-gathering efforts on all users or to concentrate on equine users only. It was not feasible to address all these information needs in the same project.

Gathering statewide information with a mail-back survey and focusing on equine users will best serve MDC's overall goals by allowing administration to develop policy decisions, such as when to close a trail, open new trails, or simply say that a region has enough trails already. In addition, this statewide perspective increases MDC's opportunity for developing partnerships with other agencies that manage public lands, provides a broader picture of currently available facilities and users, helps define the need for equestrian trails and can facilitate development or strengthening of partnerships with established user groups that may assist with future management and maintenance challenges. In future years, as area managers feel that a particular area needs area-specific information, a user survey for that area can be planned.

Existing Information

MDC Internal Survey

An internal MDC survey of all area managers, completed in 2005, asked whether the areas had horse trails (official or unofficial), their estimated use, whether use was increasing or decreasing, whether they issued special permits (and with what regulations), what other types of use were popular on their areas, whether they had observed any conflicts between equestrians and other types of users and related questions. Survey results have given MDC information necessary to answer questions about overall horse trail usage, regulations, and consistency.
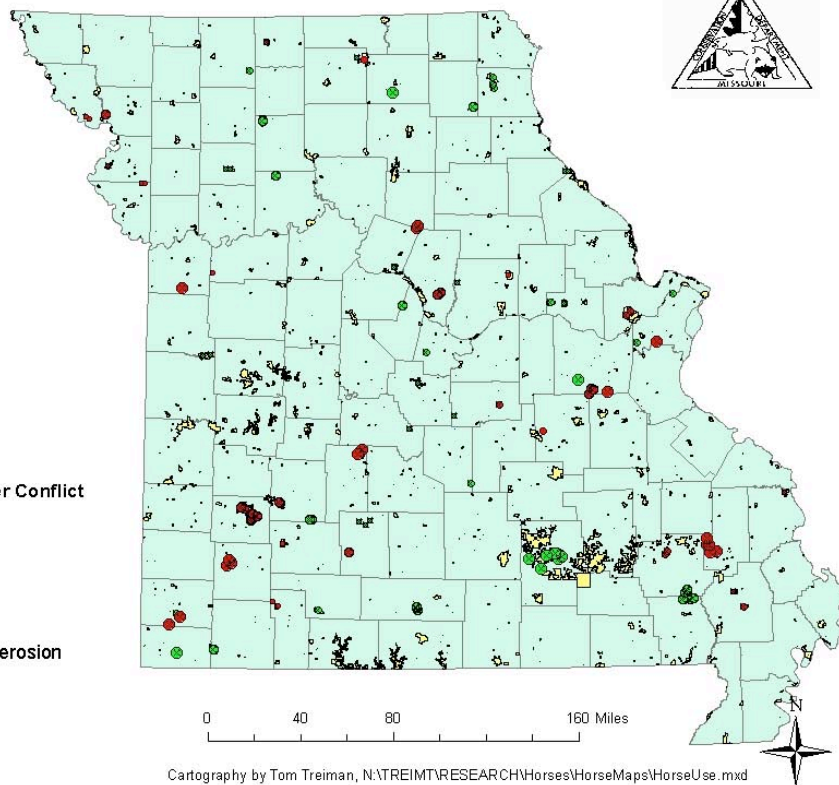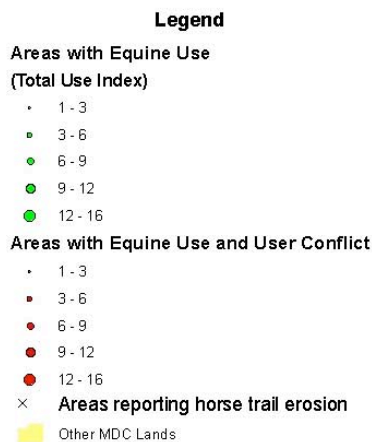
Figure 1 - —Summary results of horse usage, reported erosion and reported conflict between horse users and others from the Area Managers survey.

Analysis of the Area Managers survey (see Figure 1) reveals that 183 areas see some form of equestrian usage, including road use in 140 areas, designated trails in 47, special permits in 71, commercial use in 11, and group use in 54; there are 87 areas with "unauthorized" use. Thirty-one area managers reported that their areas had some conflicts between equestrians and other types of users, while 55 areas reported erosion associated with equestrian use.

Focus Groups

MDC also held focus groups with riders of varying levels of experience at the Cross County Trail Ride in Eminence. Riders provided input on what they feel makes a good trail and how far they are willing to travel to ride. Riders also talked about their experiences with other types of recreational users; positive and negative. Key findings included:

- undisturbed natural beauty or at least the perception of it was highly valued,
- "clear-cutting" (in the participants phrasing) was seen as detracting from the recreational experience, and
- equestrians travel long distances at great expense and as a result want their trail ride to reflect a return commensurate with the cost of the trip.

Maps

Using existing GIS layers from MDC and other land management agencies, maps of areas with riding opportunities were created and used to estimate the travel distances and times faced by Missouri riders.

Distance to Trails

- 10 miles or less (19.2% of Missouri's population)
- 10 to 20 miles (57.8%)
- 20 to 30 (19.6%)
- 30 to 40 (2.1 %)
- 40 to 50 (0.7%)
- More than 50 miles (0.6%)
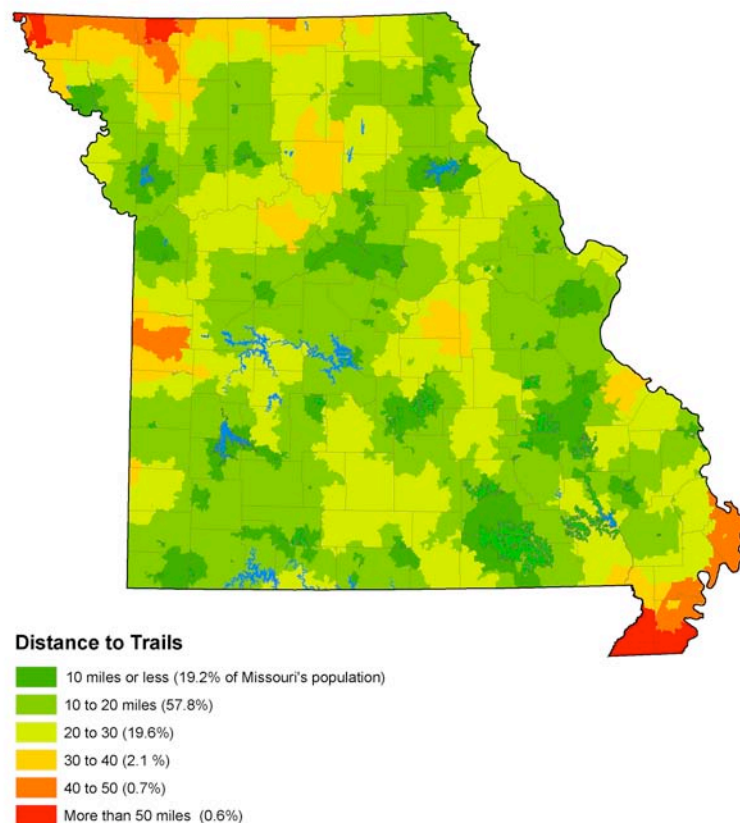
Figure 2 - —Distance in miles to the nearest public land offering equine use.

Most Missourians are already within 30 minutes or so of public land that allows trail riding, nearly fulfilling the desire highlighted in the 2003 Conservation Opinion Survey. But maps do not show the quality of trails and whether they satisfy users.

Travel Time

- Less than 15 minutes (27% of Missouri population)
- 15 to 30 minutes (57%)
- 30 to 45 minutes (14%)
- 45 minutes to 1 hour (1%)
- 1 hour to 1 hour 15 minutes (<1%)
- More than 1 hour 15 minutes (<1%)
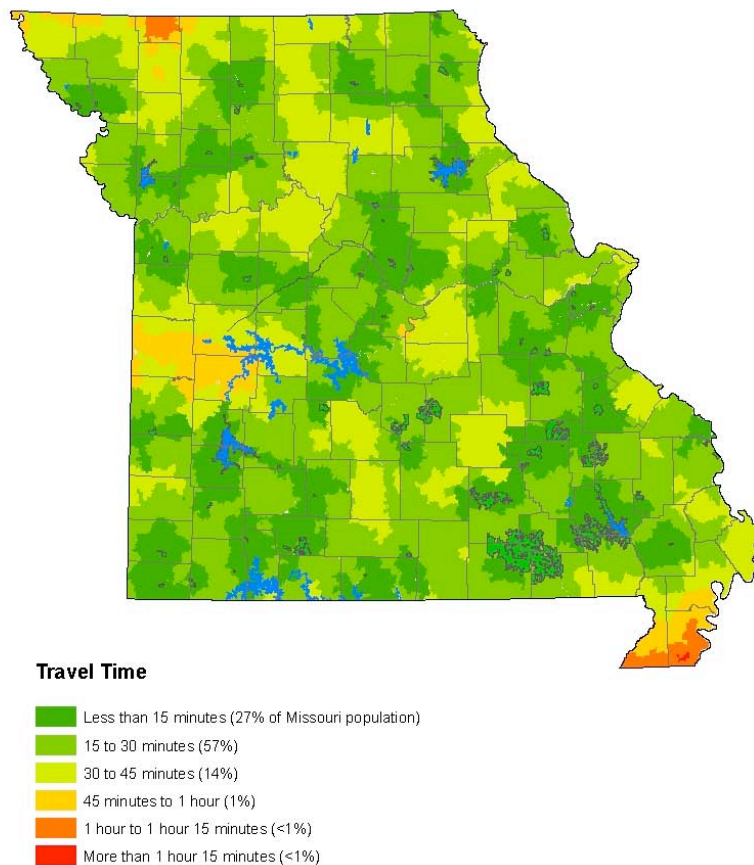
Trail Construction and Maintenance Costs

Quality trails require quality location, construction and maintenance. Constructing horse trails can be quite expensive. Tabor et al. (2007) found that trail costs can range from $2.75 per linear foot ($14,520 per mile) for a simple gravel trail across good soils, to $3.25 to $4.00 ($17,160 to $21,120 per mile) per foot when geotextiles are needed to help control erosion, and up to $15 per foot ($79,200 per mile) if geocells are needed on steep slopes or stream crossings. Costs can be even higher to bring an old trail in poor shape into the safe kind of condition that riders expect. Old trails made need to be rerouted, eroded areas repaired and unsafe sections closed off. Obviously land management agencies must carefully weigh these costs when considering making new trails or revamping old trails that are in poor condition.

Even well situated and built trails need frequent maintenance. Tabor et al.'s work focused on construction and they assumed that well built trails might need significant maintenance "only" every 5 years. Less well-built trails need maintenance more often. MDC estimates that maintenance on its horse trails ranges from $72 to over $1,000 per

mile per year (Mike Hoffman and Bill Bergh, MDC, personal communication with the authors). These estimates include personnel, material, fuel, and equipment costs for inspection, mowing, clean up, herbicide and re-rocking. Again land management agencies with multiple demands on their limited resources must carefully consider these ongoing costs when considering new trails, and when contemplating whether they can keep open all the trails that they currently have.

User Survey

To address these issues, MDC worked cooperatively with DNR, USFS and NPS to develop a mail-back survey of Missouri horse owners. Discussions from the focus groups and manager input were used to help develop the mail-back survey instrument. A committee of representatives from all the agencies developed the following information needs:
1) How many users are there?
2) What areas do they use?
3) What factors influence their choice of trail or riding area?
4) When do they ride?
5) What size groups do they ride in?
6) Where do they come from?
7) How many miles do they ride?
8) Do they camp, stay overnight at motels, or use some other form of lodging?
9) What size vehicles (trailers) do they use? What parking facilities do they need?
10) Are there other facility needs?
11) What are riders' expenditures on their trips?
12) What are the users' attitudes toward current trail policies, numbers and conditions?
13) What are the demographic characteristics of the users?

Methods

Figure 3 - —Travel time to the nearest public land offering equine use.

In 2005 AHCF found that just over 56,000 Missourians own horses (American Horse Council Foundation 2005b). This estimate is derived from several sources, including state and federal databases (see below), membership association and commercial lists. The Missouri office of the National Agricultural Statistics Service's (NASS) also maintains a database of horse owners as an outcome of its survey work. This list contains only horse owners who also have productive land. The overall ACHF list was not available due to confidentiality reasons, but NASS was able to draw a random sample from its list.

Survey Development

MDC Resource Science Division (RSD) Human Dimensions staff, the MDC Equine Subcommittee and contacts from DNR, USFS and NPS worked together to finalize the riders' survey in the fall of 2007. The survey was printed in two versions. The green version, which asked respondents to report on rides in all of 2007, was to be sent to a

randomly selected sample of riders, while the blue version, which asked respondents to report on rides in the "past year," was a convenience sample that was handed out to saddle clubs, at trail rides, and to other interested parties. The random sample (Green Survey) was intended to provide unbiased information about riding and riders across the state, while the convenience sample (Blue Survey) was intended to meet the expected desire of particular segments of the riding public to provide input.

The Green Survey—A Random Sample

The main survey instrument, and the one that will be discussed in this report, was a random sample from the NASS database. NASS drew a random sample of 5,000 names and addresses. After removing bad, undeliverable and outdated addresses, 4,750 valid surveys were mailed out by NASS on February 2, 2008 with confidentiality maintained. Reminder postcards were mailed out approximately one week later. On March 14, 2008, 3,355 follow-up surveys were mailed out to nonrespondents (although many first surveys continued to come in after this date). June 1, 2008, was set as the cutoff date for receiving surveys. As of that date, 2,286 replies had been received. From the first mailing, 1,693 surveys were returned (35.6%), and 593 were returned from the second mailing (12.4% of the total sample), for a total response rate of 48.1% (2,286/4,750).

The Blue Survey - A Convenience Sample

Before the first green survey had even gone out, RSD had already received requests from riders for "their" copies. Between January and June 2008, over 1,000 blue (convenience) surveys were sent to saddle clubs, trail rides and individuals. After visits to several organized trail rides and stables that had expressed interest, boxes of surveys were left with them to distribute to their riders. A PDF of the survey was also made available for those who wanted to reply by e-mail.

Since these boxes (and stacks of surveys mailed to clubs) relied on club presidents and trail ride owners for their delivery it is hard to say exactly how many made it into the hands of actual riders. As of the cutoff date of June 1, 2008, 510 replies had been received.

Data Entry

Hand coding was required on many surveys, particularly for the questions asking riders where they rode most in the past year. Although the survey included a list of 88 public land riding areas and numeric codes for each, many respondents wrote in their own favorites (which provided good information for MDC – —even when the areas they listed aren't officially open to riding); also, sometimes respondents did not use the numeric codes.

Results

Expanding the results of the green survey (a random sample of the population of Missouri horse owners) yields an estimate of 181,500 total riding trips on public land in 2007 (standard error 26,897.8). The expansion is based on the total population of 56,000 horse owners (American Horse Council Foundation 2005b). Total spending on those trips is

estimated at $27 million. MDC provided the bulk of the riding opportunities that respondents took (although this may partially reflect MDC's sponsorship of the survey).

Owner	Trips	Areas
City owned\run	185	3
COE	12,668	10
County owned\run	4,873	7
DNR	27,818	22
MDC	68,858	57
NPS	14,285	6
Other	16,762	5
USFS	35,925	29
Total	**181,343**	**139**

Table 1 - —Estimated Ridership by Agency.

Respondents were asked to state the number of trips taken in 2007 to their two most frequent riding areas on public land, and to list their third through fifth most frequent areas. These data allow us to estimate the total number of trips and total spending at areas across the state.

Top Ten Areas —2007		
Area	Est. Trips in 2007	Spent in 2007
Big Piney Trail - —Houston-Rolla (USFS)	8,801.15	$3,007,891.63
Shawnee Trail - —Ozark NSR (NPS)	5,826.48	$2,656,852.57
Busiek SF & WA (MDC)	5,595.67	$615,323.49
Big Sugar Trail - —Cuivre River State Park (DNR)	5,399.61	$424,334.71
Robert E. Talbot CA (MDC)	4,361.16	$224,572.38
McAdoo Trail - —Knob Noster State Park (DNR)	4,228.16	$413,889.73
Compton Hollow CA (MDC)	4,084.23	$174,260.40
Rudolf Bennitt CA (MDC)	4,023.65	$638,503.24
Lead Mine CA (MDC)	3,872.65	$454,461.22
Smithville Lake (COE)	3,825.86	$380,068.69

Table 2 - —Top Ten Areas Ridden.

A survey with 48% response rate must raise questions of non-response bias. In this case, respondents to the second mailing were less likely than respondents to the first mailing to have ridden on public lands in Missouri in 2007 (18.5% vs. 44.5%). Salience of the survey topic has consistently been found to have an effect on response rates, with those recipients with less involvement or interest being less likely to respond (Heberlein and Baumgartner 1978, Martin 1994, Bean and Roszkowski 1995). For this reason we have

adjusted the above results on the assumption that non-respondents (those who responded neither to the first or second mailing) are more like late respondents (second mailing) than first mailing respondents. That is, the assumption is that non-respondents were less likely than respondents to have ridden on public lands in Missouri in 2007. All the above results use this assumption.

In addition, respondents were asked to characterize their trips by area (time spent, group size and so forth). These results, as well as estimated trips to areas not in the top ten, are listed in the Appendix.

Highlights

Overall, about 38% of respondents had ridden on public lands in 2007. The AHCF survey estimated that 51% of Missouri horse owners' primary activity was "recreation," so when noting that recreation also includes rides on private land, the two surveys are not far off.

For those respondents who did ride on public lands in 2007, the mean number of rides for the year was 16.6, with the average ride lasting 4.5 hours. Fall was the most popular season for riding (with 67% saying they rode "frequently" or "often"), followed by summer and spring (with 62% and 63%) and winter (only 14%). About 47% rode mostly on weekends, with rides divided about equally between mornings and afternoons by about 48% of respondents. Most, 55%, rode in groups of 2 to 4 riders.
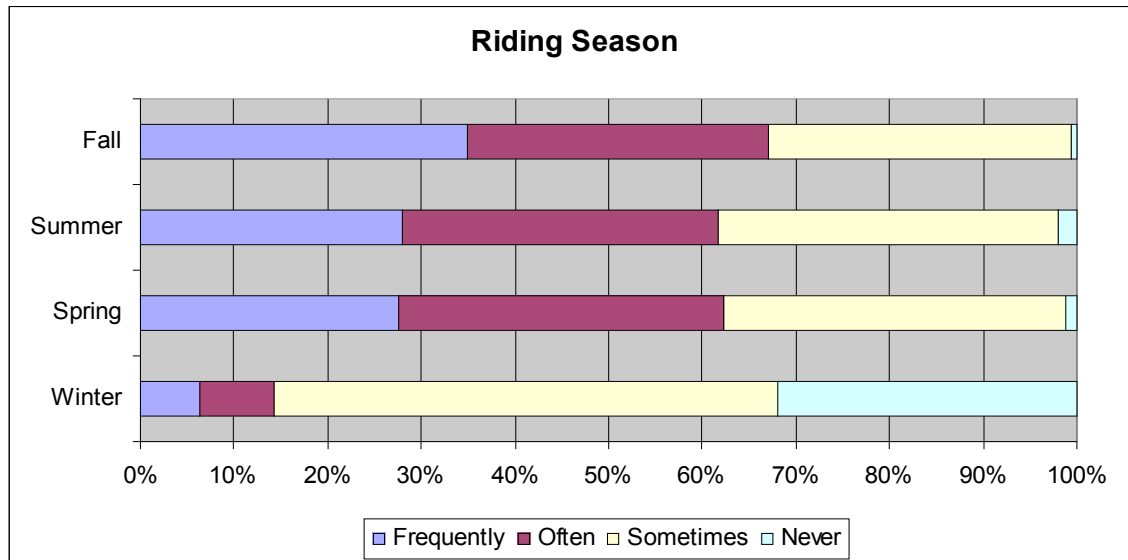
Figure 4—Riding by Season.
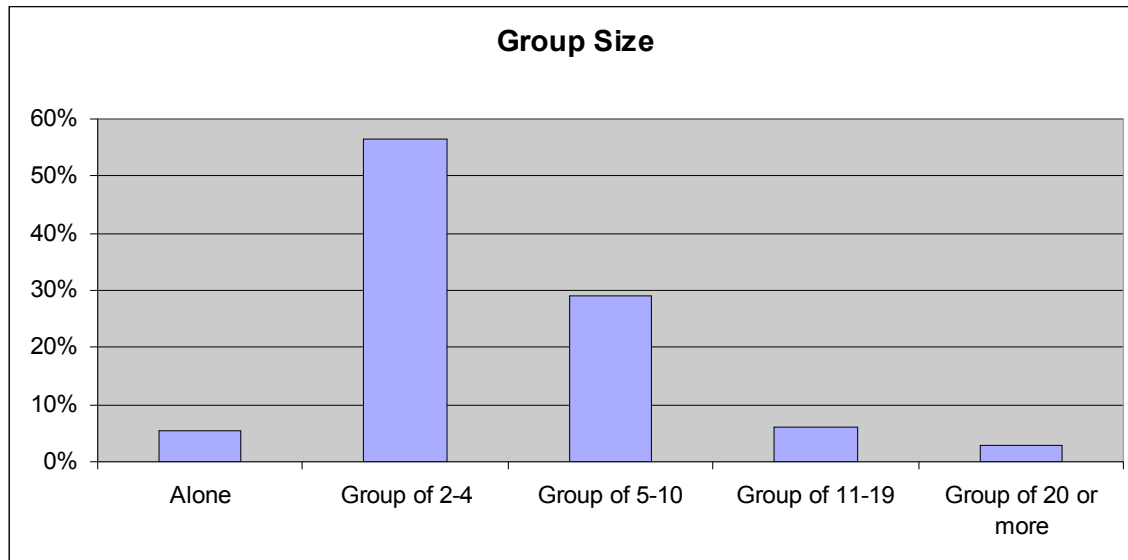
Group Size

Figure 5—Riding by Group Size.

Over 72% rode "only" or "mostly" day trips, while only 9% took "only" or "mostly" overnight trips. For those who did take overnight trips, camping on public lands (48% "always" or "most of the time") and private lands (23%) predominated. Over 75% of the respondents' horses stayed at the campsite with their riders.
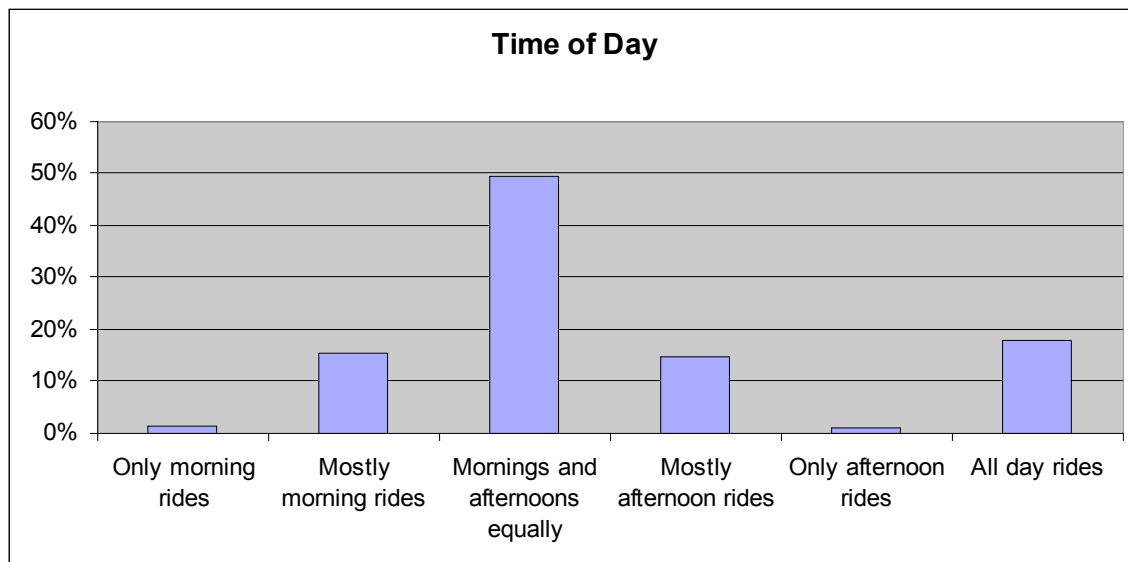
Time of Day

Figure 6—Riding by Time of Day.

"Availability of parking at trailheads" and "availability of water for horses" (both with 62% reporting it as "very important") were the two most important factors respondents looked at when selecting an area and trail to ride. The least important factors were "familiarity with area" (35% responding "not at all important"), "trail width," "number of riders expected at the area" and "availability of hitching posts" (about 26% "not at all important" each). For those who did care about trail width, about 66% said that trails

should be wide enough for 2 horses. Only 18% thought that there should be a limit on group size, with just over 50% of those thinking the limit should be 10 riders.

Important Area Factors
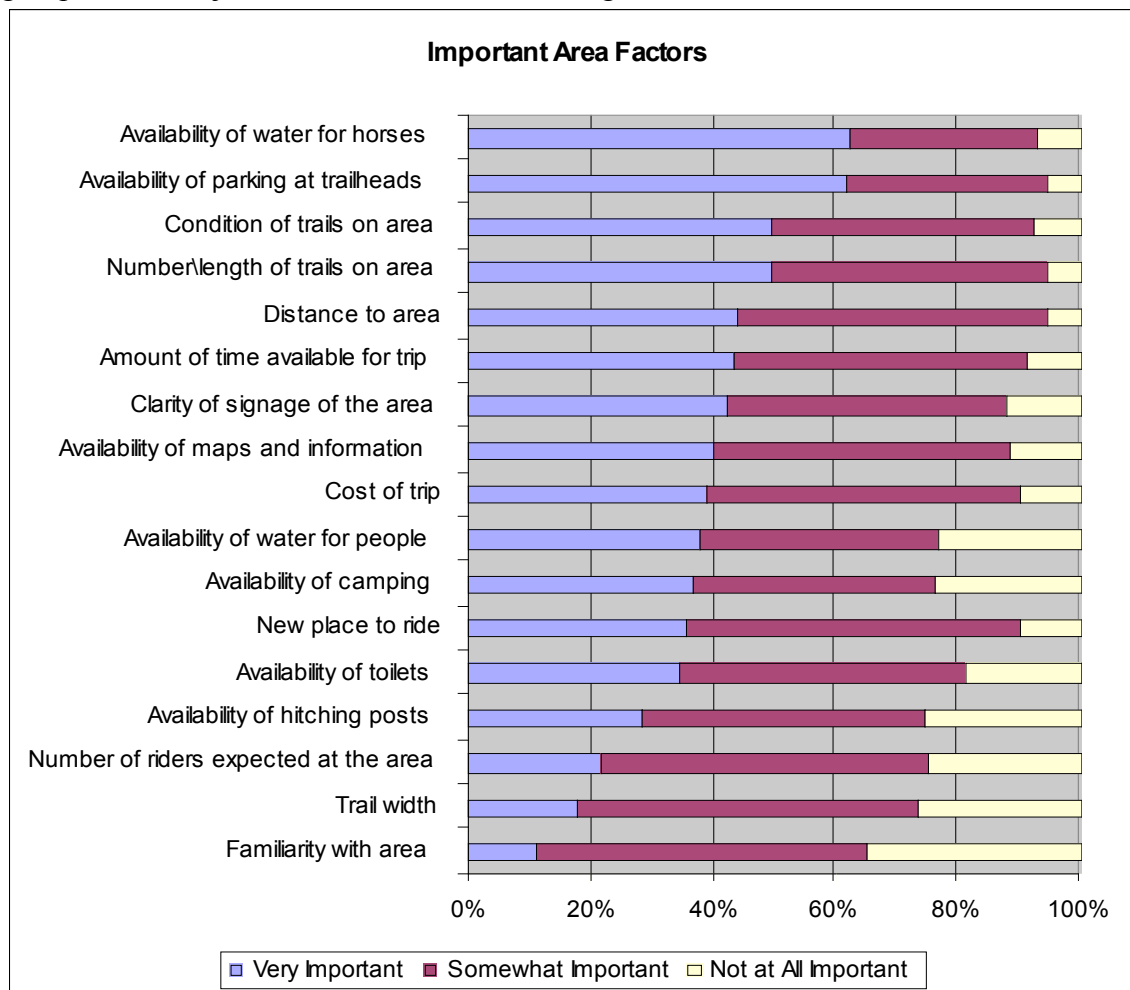
Figure 7—Importance of Area Amenities\Factors.

Large majorities agreed with the statements that "ATVs cause problems for horses" (78% "strongly" or "somewhat" agree), "more trails should be managed for multiple non-motorized use" (77%), "there are too few trails" (76%) and "trails should be closed during deer hunting seasons" (65%). Fewer respondents agreed with the following statements: "hikers cause problems for horses" (16% "strongly" or "somewhat" agree), "trails should be closed when wet" (26%) and "trails should be closed for scheduled maintenance" (34%).

Opinions and Attitudes

Statement	Strongly agree	Somewhat agree	Neutral	Somewhat disagree	Strongly disagree

ATVs cause problems for horses
More trails should be managed for multiple non-motorized use
There are too few trails
Trails should be closed during deer hunting seasons
Mountain bikers cause problems for horses
Riders obey trail rules
I would be willing to volunteer to place\maintain trail signs
Trails should be closed during turkey hunting seasons
Trails are in good shape
Trails should be closed for scheduled maintenance
Trails should be closed when wet
Trails should be maintained by riders
Hikers cause problems for horses

0% 20% 40% 60% 80% 100%

☐ Strongly agree ☐ Somewhat agree ☐ Neutral ☐ Somewhat disagree ☐ Strongly disagree

Figure 8—Rider Opinions and Attitudes.

About 31% of respondents participated in organized trail rides in 2007, and about 41% were members of saddle (or other horse-related) clubs. The vast majority (91%) said they got horse and trail information from family and friends, followed by brochures (63%). About 41% said they got such information from the MDC *Conservationist* magazine and 24% from the MDC web site. Over 50% said they would be interested in workshops on trail building or maintenance and nearly 60% stated that they would be willing to help maintain trails. (See Appendix for detailed tables.)

Differences between Public Land Riders and Non–Public Land Riders

Females were more likely to ride on public lands in 2007 (41% of public land riders versus 29% of non–public land riders). Of those between 35 and 65, 81% rode on public land riders versus 70% on non–public land. Public land riders were more likely to work as professionals, managers or in manufacturing, while non–public land riders were more likely to be retired or work in agriculture. Non–public land riders tended toward both the highest income levels (over $100,000) and lowest (under $50,000), while public land riders dominated the middle income groups. Non–public land riders tended toward high school or less educational levels while public land riders were more likely to report having at least some college. (See Appendix for detailed tables.)

Area Results

Respondents were asked to list the 5 public areas that they had ridden the most often in 2007 and to answer a set of questions for their first and second most common public areas ridden. These questions allowed us to estimate the number of rides by area (see Table 2 on page 8 for the top 10 areas), how much riders spent by area and to determine what they liked or disliked about areas they rode. (See Appendix for details.)

Respondents rode their most common area an average of 9.9 times in 2007, with the average trip to the area lasting 2.9 days. On average they rode 4.8 hours each day in a

group of 5.4 riders. For their second most common area, they rode 5.1 times, with the average trip to the area lasting 2.2 days, riding 5.0 hours each day in a group of 5.8 riders.

Spending for travel, lodging, food and horse-related items at the first area totaled $142 per trip. Of this, $53 was spent on gas, $25 on lodging, $35 on food and $23 on horses (feed and so forth). At the second area, the numbers were $150 per trip with $61 on gas, $26 on lodging, $34 on food and $22 on horse items.

Area Ratings

Respondents were asked to rate the two areas they rode most on several factors. Table 3 (below) shows that MDC generally was not ranked higher than other management agencies. (For a full list of ratings by individual area, see the Appendix.)

Rate	COE	County	DNR	MDC	NPS	USFS
Area signs	Fair	Poor\Fair	Fair\Good	Poor\Fair	Fair\Good	Fair
Camping	Fair	Fair	Poor\Fair	Poor\Fair	Fair\Good	Fair
Crowding	Good\Fair	Good\Fair	Fair	Fair\Good	Fair\Good	Fair\Good
Maps	Fair\Poor	Poor\Fair	Poor\Fair	Fair\Poor	Fair\Good	Fair
Parking	Fair\Good	Fair\Good	Fair\Poor	Fair	Good	Fair
Public behavior	Good	Good	Good\Fair	Good\Fair	Good	Fair\Good
Scenery	Good	Good\Excel	Good	Good\Fair	Good\Excel	Good
Trail condition	Good\Fair	Fair\Good	Fair	Fair\Good	Good	Fair\Good
Trail length	Good\Fair	Good\Fair	Fair	Fair\Good	Good\Excel	Good
Trail signs	Fair	Fair\Poor	Fair	Poor\Fair	Good\Fair	Fair\Poor
Trail width	Good\Fair	Good\Fair	Fair\Good	Good\Fair	Good	Good\Fair

Table 3—Area Rankings – averages using the 5 point scale numerical.

MDC had its lowest rating for signage and camping and its best for "public behavior," scenery and trail width.

Economic Impacts

Using the expenditure data mentioned above, along with IMPLAN software and regional economic data sets, the overall economic impact of riding on public lands can be estimated. IMPLAN's Social Accounting System describes transactions that occur between producers and intermediate and final consumers using a Social Accounting Matrix. Because Social Accounting Systems examine all the aspects of a local economy, they provide a more complete and accurate "snapshot" of the economy and its spending patterns. The software estimates multipliers between economic sectors. Multipliers are a numeric way of describing the impact of a "change" (in this case, the provision of public trails). An employment multiplier of 1.8 would suggest that for every 10 employees hired in the given industry, 18 total jobs (in all sectors) would be added to the given economic region (Armstrong and Taylor, 2000). Once there is a clear picture of the economy through the Social Accounting Matrix and multipliers, the economy's behavior (impact) can be predicted for a defined event (again, the trails). The impacts are the total changes to the original economy as the result of that defined event.

Unfortunately, neither trail riding nor horse feed are major sectors in the IMPLAN model (although the gas, food and veterinary bills are), so some expenditures must be combined. Riders on Missouri's public lands spent an estimated total of $26.9 million on their rides with a total impact of over $48 million, supporting a total of over 600 full-time jobs and contributing over $7.7 million dollars in taxes at the Federal, State and Local levels, including $1.6 million in sales tax. (Note that these numbers are for trail rides and do not include the impact of "on the farm" or "in the stable" expenditures.)

In comparison, total direct expenditures (on-site expenditures by domestic and international travelers plus airport-related expenditures) by visitors to or in Missouri are estimated to have been $8.19 billion and total impacts due to travel in Missouri is estimated to have been $13.1 billion during FY07 (Kaylen 2008). Thus the equestrian impact is about 0.3% of direct impacts and 0.4% of total impacts.

Discussion

Missouri riders, as shown above, are a very small but not insignificant part of the state's tourism economy, but MDC has to balance their needs and desires with many other user groups, as well as with our mission to protect our resources for the next generations of Missourians. Most respondents agreed that "there are too few trails," and even more took the time to write in comments calling for more trails. But surely any user group would do the same. Sometimes MDC's mission to conserve the state's fish, forest and wildlife and to balance recreation use among users may result in denial of such requests. These instances may provide an opportunity to educate the public about the true costs and trade offs of managing for multiple public use.

Even a cursory look at a map of public trails available to Missouri riders shows that almost all parts of the state are well served, and a more in depth look at the numbers shows that the vast majority of riders live within easy driving distance of a public trail. What the maps don't show, however, is the history and nature of the trails themselves. Some predate MDC ownership of the areas they lie on; some reflect the enthusiasms of past managers or saddle clubs. Some are well-maintained and in good condition, some less so. Some are too short to be worth a half-hour drive; some accommodate groups that want to ride abreast and some cater to solitary souls.

When land management agencies advertise horse trails, they raise an expectation in the minds of riders that use them. Riders expect safe trails that meet their needs. The mail survey provides agencies with a better idea of what those needs are. One sure way to dash those expectations is for the trails to fail to meet riders' needs or, worse, to fail to ensure their safety.

The maps don't tell us the high costs of trail construction and maintenance, nor do they convey the best practices for accomplishing those tasks—yet these are all factors that will drive MDC's decisions on trail policy. The information in this report has added depth to the maps' breadth – —and still more detail is available in the tabular appendices. This

information can then be used to inform policy decisions for all agencies providing horse trails.

Conclusions

Based on the results of the rider survey, the focus groups and the internal survey, the following recommendations seem in order:

- Consider closing some trails that do not meet trail maintenance standards and are too expensive to refurbish. Among the various land management agencies, most riders already have public trails available within 30 minutes of their homes – but some of those trails are not well maintained, or they do not meet rider needs (for length, width, camping and so on). We should "triage out" the worst, most expensive and/or least used. Trails not long enough to support the typical half-day ride should be considered for closure. Use this information to explain our decisions—for example, that a trail was closed because it damaged the local ecosystem or soils, that it cost too much to maintain and so forth.
- Erect good signage! On the trails agencies decide to operate, we need to have clear and consistent signs. These "signs" should run the gamut from the initial public contact (brochure, Web site and atlas), to the area signs, trailhead signs, trail markers and clearly posted rules and regulations.
- Provide good maintenance! On the trails agencies decide to operate, we need to decide on length and width, and maintain them in a safe, welcoming condition. Trails that we cannot maintain should be closed.
- Good cooperation! Building on existing partnerships (such as the ones that produced this survey), land management agencies should work together to provide the maximum possible breadth of quality riding experience with the minimum possible expense and duplication of effort.
  - o Produce an updated, multi-agency trail brochure.
  - o Create a dynamic (always up-to-date) multi-agency web site that lists and describes trails, regulations, openings and closings.
  - o Where there are too many trails run by too many agencies in too small an area, close the least used, the hardest to maintain and/or most damaging.
- Enforce all trail regulations. If trails are closed, new regulations put in place or other changes are made, Conservation Agents (and enforcement personnel from other agencies) must enforce and explain the changes, including directing riders to alternative trails.

Any effort to maintain or repair existing trails will need to rely on best-management practices (e.g. Tabor et al., 2007). Furthermore, all efforts to change policies, close trails and increase enforcement will call for an increased role by MDC's Outreach and Education Division in finding ways to help explain to the public why MDC manages the public's lands as we do. Outreach and Education efforts may be helped by the increased understanding of demographics and preferred information sources from the surveys described in this report.

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Appendices

Frequency Tables for Public Lands Riders

How often do you typically ride on public lands during: Winter		
Q3a	Freq	Pct
Blank	73	9.76
Frequently	43	5.75
Often	53	7.09
Sometimes	363	48.53
Never	215	28.74
Bad answer	1	0.13

Frequency Missing = 91

How often do you typically ride on public lands during: Spring		
Q3b	Freq	Pct
Blank	18	2.22
Frequently	218	26.88
Often	273	33.66
Sometimes	289	35.64
Never	9	1.11
Bad answer	4	0.49

Frequency Missing = 28

How often do you typically ride on public lands during: Summer		
Q3c	Freq	Pct
Blank	19	2.31
Frequently	224	27.28
Often	270	32.89
Sometimes	290	35.32
Never	16	1.95
Bad answer	2	0.24

Frequency Missing = 18

How often do you typically ride on public lands during: Fall		
Q3d	Freq	Pct
Blank	13	1.60
Frequently	279	34.23
Often	257	31.53
Sometimes	260	31.90
Never	4	0.49
Bad answer	2	0.25

Frequency Missing = 24

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

Do you typically ride on public lands on weekdays or weekends?		
Q4	**Freq**	**Pct**
Blank	2	0.24
Only weekdays	18	2.16
Mostly weekdays	85	10.18
Weekdays and weekends equally	275	32.93
Mostly weekends	387	46.35
Only weekends	63	7.54
Bad answer	5	0.60

Frequency Missing = 4

In what size group do you most often ride on public lands?		
Q6	**Freq**	**Pct**
Blank	3	0.36
Alone	44	5.27
Group of 2-4	456	54.61
Group of 5-10	234	28.02
Group of 11-19	50	5.99
Group of 20 or more	22	2.63
Bad answer	26	3.11

Frequency Missing = 4

During what time of day do you typically ride on public lands the most?		
Q5	**Freq**	**Pct**
Blank	2	0.24
Only morning rides	10	1.20
Mostly morning rides	124	14.85
Mornings and afternoons equally	399	47.78
Mostly afternoon rides	119	14.25
Only afternoon rides	8	0.96
All day rides	144	17.25
Bad answer	29	3.47

Frequency Missing = 4

Are most of your rides on public lands day or overnight trips?		
Q8	**Freq**	**Pct**
Blank	4	0.48
Only day trips	304	36.54
Mostly day trips	298	35.82
Day and overnight equally	150	18.03
Mostly overnight trips	67	8.05
Only overnight trips	5	0.60
Bad answer	4	0.48

Frequency Missing = 7

Overnight trips, how often do you: Camp on public land		
Q9a	**Freq**	**Pct**
Blank	169	27.70
Always	86	14.10
Most of the time	125	20.49
Sometimes	203	33.28
Never	27	4.43

Frequency Missing = 229

19

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Overnight trips, how often do you: Camp at a private campground		
Q9b	**Freq**	**Pct**
Blank	215	38.46
Always	19	3.40
Most of the time	58	10.38
Sometimes	194	34.70
Never	73	13.06

Frequency Missing = 280

Overnight trips, how often do you: Stay at a motel\hotel		
Q9c	**Freq**	**Pct**
Blank	234	45.09
Always	1	0.19
Most of the time	4	0.77
Sometimes	35	6.74
Never	245	47.21

Frequency Missing = 320

Overnight trips, how often do you: Stay at a commercial trail ride or stable		
Q9d	**Freq**	**Pct**
Blank	213	38.87
Always	12	2.19
Most of the time	50	9.12
Sometimes	167	30.47
Never	106	19.34

Frequency Missing = 291

Overnight trips, how often do you: Stay at a friend or at a family members home		
Q9e	**Freq**	**Pct**
Blank	231	44.17
Most of the time	13	2.49
Sometimes	106	20.27
Never	173	33.08

Frequency Missing = 316

Overnight trips, do you stable your horse(s): With you at your campsite		
Q10a	**Freq**	**Pct**
Blank	162	25.27
Yes	465	72.54
No	14	2.18

Frequency Missing = 198

Overnight trips, do you stable your horse(s): At a commercial stable		
Q10b	**Freq**	**Pct**
Blank	228	43.18
Yes	83	15.72
No	217	41.10

Frequency Missing = 311

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

Overnight trips, do you stable your horse(s): With a friend or family members horses

Q10c	Freq	Pct
Blank	238	45.77
Yes	87	16.73
No	195	37.50

Frequency Missing = 319

What vehicle(s) do you use? Car

Q11a	Freq	Pct
Blank	183	32.45
Yes	12	2.13
No	369	65.43

Frequency Missing = 275

What vehicle(s) do you use? Truck

Q11b	Freq	Pct
Blank	33	4.17
Yes	749	94.57
No	8	1.01
Bad answer	2	0.25

Frequency Missing = 47

What vehicle(s) do you use? SUV

Q11c	Freq	Pct
Blank	186	33.51
Yes	37	6.67
No	332	59.82

Frequency Missing = 284

What vehicle(s) do you use? Motor home

Q11d	Freq	Pct
Blank	191	34.17
Yes	21	3.76
No	347	62.08

Frequency Missing = 280

What vehicle(s) do you use? Trailer

Q11e	Freq	Pct
Blank	29	3.67
Yes	746	94.31
No	16	2.02

Frequency Missing = 48

Does the trailer have living quarters?

Q11g	Freq	Pct
Blank	35	4.40
Yes	328	41.21
No	428	53.77
Bad answer	5	0.63

Frequency Missing = 43

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

When selecting a public area and trail(s) to ride on, how important or unimportant is: Distance to area

Q12a	Freq	Pct
Blank	7	0.85
Very important	359	43.62
Somewhat important	414	50.30
Not at all important	42	5.10
Bad answer	1	0.12

Frequency Missing = 16

When selecting a public area and trail(s) to ride on, how important or unimportant is: Number\length of trails on area

Q12b	Freq	Pct
Blank	9	1.09
Very important	402	48.67
Somewhat important	371	44.92
Not at all important	44	5.33

Frequency Missing = 13

When selecting a public area and trail(s) to ride on, how important or unimportant is: Condition of trails on area

Q12c	Freq	Pct
Blank	8	0.97
Very important	404	48.73
Somewhat important	354	42.70
Not at all important	62	7.48
Bad answer	1	0.12

Frequency Missing = 10

When selecting a public area and trail(s) to ride on, how important or unimportant is: Clarity of signage of the area

Q12d	Freq	Pct
Blank	7	0.85
Very important	343	41.48
Somewhat important	373	45.10
Not at all important	101	12.21
Bad answer	3	0.36

Frequency Missing = 12

When selecting a public area and trail(s) to ride on, how important or unimportant is: Trail width

Q12e	Freq	Pct
Blank	8	0.97
Very important	145	17.58
Somewhat important	454	55.03
Not at all important	217	26.30
Bad answer	1	0.12

Frequency Missing = 14

When selecting a public area and trail(s) to ride on, how important or unimportant is: Familiarity with area

Q12f	Freq	Pct
Blank	7	0.85
Very important	88	10.63
Somewhat important	446	53.86
Not at all important	285	34.42
Bad answer	2	0.24

Frequency Missing = 11

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

When selecting a public area and trail(s) to ride on, how important or unimportant is: New place to ride		
Q12g	**Freq**	**Pct**
Blank	8	0.97
Very important	290	35.07
Somewhat important	448	54.17
Not at all important	81	9.79

Frequency Missing = 12

When selecting a public area and trail(s) to ride on, how important or unimportant is: Cost of trip		
Q12h	**Freq**	**Pct**
Blank	9	1.09
Very important	317	38.52
Somewhat important	414	50.30
Not at all important	82	9.96
Bad answer	1	0.12

Frequency Missing = 16

When selecting a public area and trail(s) to ride on, how important or unimportant is: Amount of time available for trip		
Q12i	**Freq**	**Pct**
Blank	10	1.21
Very important	354	42.86
Somewhat important	387	46.85
Not at all important	73	8.84
Bad answer	2	0.24

Frequency Missing = 13

When selecting a public area and trail(s) to ride on, how important or unimportant is: Number of riders expected at the area		
Q12j	**Freq**	**Pct**
Blank	11	1.34
Very important	174	21.17
Somewhat important	432	52.55
Not at all important	202	24.57
Bad answer	3	0.36

Frequency Missing = 17

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of maps and information		
Q12k	**Freq**	**Pct**
Blank	8	0.97
Very important	328	39.71
Somewhat important	397	48.06
Not at all important	93	11.26

Frequency Missing = 13

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of camping		
Q12l	**Freq**	**Pct**
Blank	11	1.33
Very important	298	36.08
Somewhat important	325	39.35
Not at all important	192	23.24

Frequency Missing = 13

23

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of parking at trailheads

Q12m	Freq	Pct
Blank	6	0.73
Very important	502	61.00
Somewhat important	268	32.56
Not at all important	43	5.22
Bad answer	4	0.49

Frequency Missing = 16

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of toilets

Q12n	Freq	Pct
Blank	9	1.09
Very important	281	34.02
Somewhat important	383	46.37
Not at all important	153	18.52

Frequency Missing = 13

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of water for people

Q12o	Freq	Pct
Blank	11	1.33
Very important	307	37.12
Somewhat important	318	38.45
Not at all important	189	22.85
Bad answer	2	0.24

Frequency Missing = 12

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of water for horses

Q12p	Freq	Pct
Blank	6	0.72
Very important	514	61.93
Somewhat important	251	30.24
Not at all important	59	7.11

Frequency Missing = 9

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of hitching posts

Q12q	Freq	Pct
Blank	9	1.09
Very important	230	27.78
Somewhat important	379	45.77
Not at all important	209	25.24
Bad answer	1	0.12

Frequency Missing = 11

Do you think there should be a limit on the number of riders allowed to ride in a group on public land?

Q13	Freq	Pct
Blank	6	0.72
Yes	129	15.54
No	577	69.52
Don't know	113	13.61
Bad answer	5	0.60

Frequency Missing = 9

24

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

What do you think the group size limit should be?		
Q14	**Freq**	**Pct**
Blank	276	57.14
5 riders	6	1.24
10 riders	63	13.04
15 riders	29	6.00
20 riders	26	5.38
Don't know\no opinion	81	16.77
Bad answer	2	0.41

Frequency Missing = 356

In your opinion, what is ideal trail width?		
Q15	**Freq**	**Pct**
Blank	6	0.72
Single horse wide	131	15.78
Wide enough for 2 horses	504	60.72
Wider than 2 horses	127	15.30
Don't know	48	5.78
Bad answer	14	1.69

Frequency Missing = 9

Agree or disagree: There are too few trails		
Q16a	**Freq**	**Pct**
Blank	8	0.97
Strongly agree	374	45.11
Somewhat agree	249	30.04
Neutral	158	19.06
Somewhat disagree	34	4.10
Strongly disagree	6	0.72

Frequency Missing = 10

Agree or disagree: Trails are in good shape		
Q16b	**Freq**	**Pct**
Blank	8	0.97
Strongly agree	103	12.45
Somewhat agree	412	49.82
Neutral	193	23.34
Somewhat disagree	94	11.37
Strongly disagree	17	2.06

Frequency Missing = 12

Agree or disagree: Riders obey trail rules		
Q16c	**Freq**	**Pct**
Blank	8	0.97
Strongly agree	245	29.55
Somewhat agree	413	49.82
Neutral	111	13.39
Somewhat disagree	43	5.19
Strongly disagree	4	0.48
Bad answer	5	0.60

Frequency Missing = 10

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

Agree or disagree: Mountain bikers cause problems for horses		
Q16d	Freq	Pct
Blank	7	0.85
Strongly agree	254	30.75
Somewhat agree	203	24.58
Neutral	239	28.93
Somewhat disagree	73	8.84
Strongly disagree	47	5.69
Bad answer	3	0.36

Frequency Missing = 13

Agree or disagree: Trails should be closed during deer hunting seasons		
Q16f	Freq	Pct
Blank	7	0.84
Strongly agree	354	42.50
Somewhat agree	181	21.73
Neutral	133	15.97
Somewhat disagree	91	10.92
Strongly disagree	66	7.92
Bad answer	1	0.12

Frequency Missing = 6

Agree or disagree: Trails should be maintained by riders		
Q16e	Freq	Pct
Blank	11	1.33
Strongly agree	63	7.63
Somewhat agree	276	33.41
Neutral	263	31.84
Somewhat disagree	138	16.71
Strongly disagree	75	9.08

Frequency Missing = 13

Agree or disagree: Trails should be closed during turkey hunting seasons		
Q16g	Freq	Pct
Blank	8	0.96
Strongly agree	216	26.02
Somewhat agree	193	23.25
Neutral	159	19.16
Somewhat disagree	146	17.59
Strongly disagree	106	12.77
Bad answer	2	0.24

Frequency Missing = 9

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Agree or disagree: Trails should be closed when wet		
Q16h	Freq	Pct
Blank	7	0.84
Strongly agree	65	7.80
Somewhat agree	151	18.13
Neutral	224	26.89
Somewhat disagree	241	28.93
Strongly disagree	141	16.93
Bad answer	4	0.48

Frequency Missing = 6

Agree or disagree: Trails should be closed for scheduled maintenance		
Q16j	Freq	Pct
Blank	6	0.73
Strongly agree	85	10.29
Somewhat agree	198	23.97
Neutral	236	28.57
Somewhat disagree	188	22.76
Strongly disagree	109	13.20
Bad answer	4	0.48

Frequency Missing = 13

Agree or disagree: Hikers cause problems for horses		
Q16i	Freq	Pct
Blank	6	0.72
Strongly agree	40	4.83
Somewhat agree	88	10.62
Neutral	236	28.47
Somewhat disagree	238	28.71
Strongly disagree	217	26.18
Bad answer	4	0.48

Frequency Missing = 10

Agree or disagree: ATVs cause problems for horses		
Q16k	Freq	Pct
Blank	10	1.22
Strongly agree	432	52.55
Somewhat agree	204	24.82
Neutral	86	10.46
Somewhat disagree	52	6.33
Strongly disagree	38	4.62

Frequency Missing = 17

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Agree or disagree: More trails should be managed for multiple nonmotorized use		
Q16l	**Freq**	**Pct**
Blank	8	0.96
Strongly agree	422	50.66
Somewhat agree	215	25.81
Neutral	145	17.41
Somewhat disagree	23	2.76
Strongly disagree	20	2.40

Frequency Missing = 6

Agree or disagree: I would be willing to volunteer to place\maintain trail signs		
Q16m	**Freq**	**Pct**
Blank	9	1.09
Strongly agree	240	28.99
Somewhat agree	257	31.04
Neutral	241	29.11
Somewhat disagree	44	5.31
Strongly disagree	36	4.35
Bad answer	1	0.12

Frequency Missing = 11

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Area Name	Most Freq. Area (Q17)		Second (Q18)		Third (Q19a)		Fourth (Q19b)		Fifth (Q19c)	
	Freq	Pct	Freq	Pct	Freq	Pct	Freq	Pct	Freq	Pct
Angeline CA (MDC)	13	1.64	12	2.16	5	1.53	4	1.67	7	4.24
Apple Creek CA (MDC)	15	1.89	3	0.54	4	1.23	2	0.84	3	1.82
Atlanta (MDC)			2	0.36						
Audubon Trail - Mark Twain (USFS)	1	0.13								
Bar-K - Mark Twain (USFS)	4	0.5	3	0.54	1	0.31				
Barnes (P F) CA	1	0.13								
Bell Mountain Trail – Salem-Potosi (USFS)	5	0.63	2	0.36			2	0.84	1	0.61
Berry Bend - Truman Lake (COE)	7	0.88	6	1.08	7	2.15	4	1.67		
Berryman Trail - Salem-Potosi (USFS)	2	0.25	8	1.44	8	2.45	3	1.26	5	3.03
Bicentennial CA (MDC)	3	0.38	5	0.9	2	0.61	1	0.42	1	0.61
Big Buffalo Creek CA (MDC)	2	0.25			3	0.92				
Big Piney Trail - Houston-Rolla (USFS)	22	2.77	12	2.16	10	3.07	5	2.09	2	1.21
Big Sugar Trail - Cuivre River State Park (DNR)	28	3.52	7	1.26	6	1.84	5	2.09	7	4.24
Blind Pony (MDC)	1	0.13								
Blue & Gray Park (Jackson County)	5	0.63	5	0.9	1	0.31	2	0.84	2	1.21
Blue Ridge Trail - Doniphan-Eleven Point (USFS)			3	0.54					1	0.61
Bolivar Landing - Pomme de Terre Lake (COE)	3	0.38	4	0.72			1	0.42		
Bonanza CA (MDC)	3	0.38	2	0.36					1	0.61
Broadfoot Trail - Ozark NSR (NPS)	8	1.01	12	2.16	14	4.29	6	2.51	3	1.82
Brownfield-Falcon					1	0.31				
Brushy Creek Resort	2	0.25	2	0.36						
Buford Mountain CA			1	0.18						
Bull Shoals (COE)	1	0.13								
Bunch Hollow CA (MDC)	4	0.5	2	0.36	1	0.31			1	0.61
Busch Wildlife (MDC)	1	0.13			1	0.31				
Bushwhacker Lake CA (MDC)	2	0.25	2	0.36	1	0.31	1	0.42		
Busiek SF & WA (MDC)	26	3.27	13	2.34	9	2.76	5	2.09	3	1.82
Caney Mountain CA (MDC)	1	0.13	1	0.18						
Caplinger Mills Park (MDC)			1	0.18						
Castor River CA (MDC)	8	1.01	8	1.44	3	0.92	3	1.26		
Cedar Creek (USFS)	13	1.64	11	1.98	4	1.23	7	2.93	2	1.21
Charlie Heath Mem CA (MDC)	2	0.25	3	0.54					1	0.61
Chubb Trail - Castlewood State Park (DNR)	4	0.5	1	0.18					3	1.82
Cole Creek Trail – Houston-Rolla (USFS)			4	0.72	1	0.31	1	0.42		
Compton Hollow CA (MDC)	17	2.14	7	1.26	4	1.23	2	0.84	1	0.61
Current River CA	2	0.25								
Daniel Boone CA (MDC)	5	0.63	1	0.18	3	0.92			1	0.61
Deer Ridge CA (MDC)	6	0.75	5	0.9	2	0.61			2	1.21
Devils Backbone Trail - Willow Springs (USFS)	18	2.26	5	0.9	5	1.53	2	0.84	2	1.21
Dr. Edmund Babler State Park (DNR)	5	0.63	6	1.08	8	2.45	5	2.09	1	0.61
Flag Spring CA (MDC)	2	0.25	2	0.36	1	0.31				
Forest 44 CA (MDC)			3	0.54	2	0.61	1	0.42	1	0.61
Fort Crowder CA (MDC)	8	1.01	6	1.08	1	0.31	2	0.84		
Fuson (John Alva, MD) CA	1	0.13								
George Winter City Park	1	0.13								

Freq Tables (Areas Ridden) for Public Land Riders

	Most Freq. Area (Q17)		Second (Q18)		Third (Q19a)		Fourth (Q19b)		Fifth (Q19c)	
Glade Top Trail (Douglas County)	2	0.25	1	0.18						
Goggins Mountain Trail - Johnson's Shut-Ins (DNR)					3	0.92	2	0.84	1	0.61
Golden Hills Resort			1	0.18			1	0.42		
Greensfelder County Park	4	0.5	5	0.9	3	0.92			2	1.21
Ha Ha Tonka State Park	1	0.13								
Hamby Woods			1	0.18						
Harry S Truman State Park			1	0.18						
Harry Truman Lake (COE)	1	0.13								
Hazel Creek CA	1	0.13					1	0.42		
Henry Sever Lake CA (MDC)			2	0.36	1	0.31				
Hercules Glade Trail - Ava (USFS)	9	1.13	15	2.7	6	1.84	5	2.09	2	1.21
Hickory Ridge Trail - St. Joe State Park (DNR)	17	2.14	5	0.9	5	1.53	1	0.42	1	0.61
Hidden Hollow CA			1	0.18						
Holden City Lake									1	0.61
Holly Ridge CA (MDC)	3	0.38	2	0.36			2	0.84		
Honey Creek CA (MDC)	22	2.77	5	0.9	3	0.92	4	1.67	1	0.61
Huckleberry Ridge CA (MDC)	11	1.38	8	1.44	6	1.84	6	2.51		
Hulston Mill County Park	4	0.5	6	1.08	2	0.61	2	0.84		
Huzzah CA			1	0.18						
Irish Wilderness	1	0.13							1	0.61
J. Avery Ruble Memorial Trail - Meramec CA (MDC)	3	0.38	5	0.9	2	0.61	2	0.84		
James A. Reed Memorial WA (MDC)	8	1.01	5	0.9	5	1.53	4	1.67	5	3.03
Jerktail Trail - Ozark NSR (NPS)	11	1.38	4	0.72	6	1.84	2	0.84	4	2.42
Joanna Trail - Mark Twain Lake (COE)	6	0.75	8	1.44	4	1.23	2	0.84	2	1.21
John J. Audubon Trail – Fredricktown (USFS)			1	0.18	1	0.31				
Kaintuck Trail - Houston-Rolla (USFS)	2	0.25	2	0.36	1	0.31	2	0.84	1	0.61
Katy Trail State Park (DNR)	7	0.88	9	1.62	5	1.53	3	1.26	2	1.21
Lake of the Ozarks State Park							1	0.42		
Lake Wappappello State Park (DNR)	1	0.13	1	0.18	1	0.31	4	1.67	2	1.21
Landahl County Park			1	0.18	1	0.31				
Lead Mine CA (MDC)	32	4.03	9	1.62	7	2.15	4	1.67	4	2.42
Lick Creek - Mark Twain Lake (COE)	1	0.13	1	0.18	3	0.92	3	1.26	2	1.21
Little Indian Creek CA (MDC)	12	1.51	5	0.9					2	1.21
Little Lost Creek CA (MDC)	2	0.25	4	0.72	1	0.31	1	0.42		
Long Ridge CA (MDC)	6	0.75	6	1.08	1	0.31	1	0.42	1	0.61
Longview Trail - Longview Lake (COE)	8	1.01	8	1.44	4	1.23	3	1.26	1	0.61
Marion Bottoms CA (MDC)	1	0.13								
Mark Twain NF (USFS)	2	0.25	1	0.18	3	0.92				
Mark Twain State Park (DNR)	1	0.13			1	0.31				
McAdoo Trail - Knob Noster State Park (DNR)	24	3.02	8	1.44	4	1.23	4	1.67	5	3.03
McCormack-Greer Trail - Doniphan-Eleven Pt. (USFS)	3	0.38	3	0.54	1	0.31	1	0.42	1	0.61
Meramec State Park	2	0.25	1	0.18	2	0.61	1	0.42		
Mill Creek	3	0.38	1	0.18						
Monkey Mountain CA					1	0.31				

Freq Tables (Areas Ridden) for Public Land Riders

	Most Freq. Area (Q17)		Second (Q18)		Third (Q19a)		Fourth (Q19b)		Fifth (Q19c)	
Monkey Mountain County Park	4	0.5			1	0.31	1	0.42		
Moreau Creek Trail - Scrivner Road CA (MDC)	3	0.38	3	0.54	3	0.92	3	1.26	2	1.21
Mudlick Trail - Sam A. Baker State Park (DNR)	3	0.38	4	0.72	3	0.92	4	1.67	1	0.61
Nodaway Valley CA (MDC)	1	0.13								
Orleans Trail - Stockton Lake (COE)	1	0.13	4	0.72	3	0.92	4	1.67	1	0.61
Ozark National Scenic Riverway	2	0.25			1	0.31				
Ozark Trail	2	0.25							2	1.21
Ozark Trail (Between the Rivers) – Doniphan (USFS)	2	0.25	1	0.18	2	0.61	1	0.42		
Ozark Trail (Blair Creek) - Salem-Potosi (USFS)	3	0.38	2	0.36	1	0.31	6	2.51	2	1.21
Ozark Trail (Eleven Point) - Doniphan-Eleven (USFS)	3	0.38	5	0.9	2	0.61			1	0.61
Ozark Trail (Karkaghne) - Salem-Potosi (USFS)	1	0.13	1	0.18	2	0.61				
Ozark Trail (Lake Wappapello) (COE)	2	0.25	3	0.54	2	0.61	3	1.26	2	1.21
Ozark Trail (Marble Creek) - Fredericktown (USFS)	1	0.13	2	0.36	4	1.23			1	0.61
Ozark Trail (Trace Creek) - Salem-Potosi (USFS)	3	0.38	1	0.18	2	0.61	1	0.42		
Ozark Trail (Victory) - Poplar Bluff (USFS)	3	0.38					1	0.42	3	1.82
Paddy Creek Wilderness	1	0.13	4	0.72	1	0.31			1	0.61
Pee-Wah Trail - Trail of Tears State Park (DNR)	2	0.25	7	1.26	3	0.92			2	1.21
Pike Run Trail - St. Francois State Park (DNR)	2	0.25	8	1.44			3	1.26	1	0.61
Piney Creek Trail - Cassville (USFS)	7	0.88	7	1.26	2	0.61	8	3.35	4	2.42
Pleasant Hope CA (MDC)	5	0.63	6	1.08	3	0.92			3	1.82
Pmme de Terre State Park	1	0.13							1	0.61
Poosey CA (MDC)	17	2.14	15	2.7	7	2.15	4	1.67	1	0.61
Prairie Home CA (MDC)	6	0.75	1	0.18			6	2.51	3	1.82
Queeny County Park	2	0.25	2	0.36						
Rebel's Cove CA	1	0.13								
Ridge Runner Trail - Willow Springs (USFS)	1	0.13	7	1.26	1	0.31	1	0.42		
Riverbreaks CA (MDC)			1	0.18			1	0.42		
Robert E. Talbot CA (MDC)	19	2.39	7	1.26	10	3.07			1	0.61
Roby Lake (USFS)	1	0.13								
Rock Bridge Memorial State Park (DNR)	2	0.25	5	0.9	7	2.15	2	0.84		
Rockwoods Range (MDC)	4	0.5	4	0.72	1	0.31	1	0.42		
Rudolf Bennitt CA (MDC)	28	3.52	5	0.9	6	1.84	2	0.84	2	1.21
Shawnee Trail - Ozark NSR (NPS)	24	3.02	21	3.78	8	2.45	4	1.67	6	3.64
Show Me Lake	1	0.13								
Smithville Lake (COE)	20	2.52	21	3.78	3	0.92	2	0.84		
Stockton Lake ML (MDC)	12	1.51	11	1.98	3	0.92	7	2.93	5	3.03
Sugar Creek CA (MDC)	15	1.89	2	0.36	3	0.92	1	0.42	1	0.61
Sunklands CA			1	0.18						
Swan Creek Trail - Ava (USFS)	21	2.64	7	1.26	7	2.15	1	0.42	4	2.42
Tarkio Prairie CA	1	0.13								
Thompson River Trail - Crowder State Park (DNR)	4	0.5	2	0.36			1	0.42	2	1.21
Three Creeks CA (MDC)	6	0.75	9	1.62	3	0.92	3	1.26	3	1.82
Trail of the Four Winds - Lake of the Ozarks	7	0.88	8	1.44	3	0.92	1	0.42	2	1.21
Two Rivers Trail - Ozark NSR (NPS)	7	0.88	10	1.8	6	1.84	16	6.69	7	4.24

Freq Tables (Areas Ridden) for Public Land Riders

	Most Freq. Area (Q17)		Second (Q18)		Third (Q19a)		Fourth (Q19b)		Fifth (Q19c)	
Union Ridge CA			1	0.18						
University Forest CA (MDC)	1	0.13			2	0.61	1	0.42	1	0.61
USFS (General)			2	0.36	1	0.31				
Victory Trail – Poplar Bluff (USFS)	2	0.25	4	0.72	1	0.31	1	0.42		
Wappapello Reservoir (MDC)	1	0.13	1	0.18	1	0.31	2	0.84	2	1.21
Watkins Wollen Mill State Park (DNR)	8	1.01	5	0.9	2	0.61				
Whites Creek Trail - Doniphan-Eleven Point (USFS)	3	0.38	2	0.36	2	0.61	1	0.42	1	0.61
Wilson's Creek National Battlefield	6	0.75	4	0.72	2	0.61	1	0.42		
Wire Road CA (MDC)	4	0.5	6	1.08	5	1.53	2	0.84	1	0.61
Other	48	6.04	25	4.5	13	3.99	14	5.86	3	1.82

In what size group did you most often ride the 1st area in 2007?		
Q17d	Freq	Pct
Blank	16	1.96
Alone	41	5.03
Group of 2-4	450	55.21
Group of 5-10	221	27.12
Group of 11-19	49	6.01
Group of 20 or more	20	2.45
Bad answer	18	2.21

Frequency Missing = 24

Did you camp at the 1st area?		
Q17e	Freq	Pct
Blank	18	2.21
Yes	248	30.50
No	544	66.91
Bad answer	3	0.37

Frequency Missing = 26

Rate (1st area): Trail condition		
Q17f_a	Freq	Pct
Blank	22	2.72
Excellent	179	22.13
Good	429	53.03
Fair	144	17.80
Poor	24	2.97
Very poor	5	0.62
N/A	5	0.62
Bad answer	1	0.12

Frequency Missing = 30

Rate (1st area): Trail length		
Q17f_b	Freq	Pct
Blank	27	3.35
Excellent	193	23.92
Good	452	56.01
Fair	112	13.88
Poor	13	1.61
Very poor	4	0.50
N/A	5	0.62
Bad answer	1	0.12

Frequency Missing = 32

Rate (1st area): Trail width		
Q17f_c	Freq	Pct
Blank	24	2.97
Excellent	185	22.90
Good	410	50.74
Fair	159	19.68
Poor	19	2.35
Very poor	6	0.74
N/A	5	0.62

Frequency Missing = 31

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

Rate (1st area): Trail signs		
Q17f_d	**Freq**	**Pct**
Blank	23	2.86
Excellent	105	13.04
Good	297	36.89
Fair	215	26.71
Poor	99	12.30
Very poor	20	2.48
N/A	41	5.09
Bad answer	5	0.62

Frequency Missing = 34

Rate (1st area): Area signs		
Q17f_f	**Freq**	**Pct**
Blank	29	3.71
Excellent	99	12.68
Good	301	38.54
Fair	204	26.12
Poor	75	9.60
Very poor	20	2.56
N/A	50	6.40
Bad answer	3	0.38

Frequency Missing = 58

Rate (1st area): Maps		
Q17f_e	**Freq**	**Pct**
Blank	26	3.29
Excellent	97	12.26
Good	238	30.09
Fair	192	24.27
Poor	98	12.39
Very poor	26	3.29
N/A	111	14.03
Bad answer	3	0.38

Frequency Missing = 48

Rate (1st area): Parking		
Q17f_g	**Freq**	**Pct**
Blank	22	2.73
Excellent	162	20.10
Good	401	49.75
Fair	143	17.74
Poor	33	4.09
Very poor	20	2.48
N/A	20	2.48
Bad answer	5	0.62

Frequency Missing = 33

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

Rate (1st area): Camping		
Q17f_h	Freq	Pct
Blank	45	5.80
Excellent	84	10.82
Good	210	27.06
Fair	114	14.69
Poor	45	5.80
Very poor	17	2.19
N/A	260	33.51
Bad answer	1	0.13

Frequency Missing = 63

Rate (1st area): Scenery		
Q17f_i	Freq	Pct
Blank	24	2.97
Excellent	392	48.51
Good	313	38.74
Fair	61	7.55
Poor	9	1.11
Very poor	2	0.25
N/A	3	0.37
Bad answer	4	0.50

Frequency Missing = 31

Rate (1st area): Crowding		
Q17f_j	Freq	Pct
Blank	35	4.44
Excellent	129	16.35
Good	286	36.25
Fair	218	27.63
Poor	22	2.79
Very poor	7	0.89
N/A	92	11.66

Frequency Missing = 50

Rate (1st area): Public behavior		
Q17f_k	Freq	Pct
Blank	25	3.10
Excellent	228	28.29
Good	386	47.89
Fair	101	12.53
Poor	17	2.11
Very poor	5	0.62
N/A	43	5.33
Bad answer	1	0.12

Frequency Missing = 33

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

In what size group did you most often ride the 2nd area in 2007?		
Q18d	Freq	Pct
Blank	133	19.59
Alone	22	3.24
Group of 2-4	299	44.04
Group of 5-10	164	24.15
Group of 11-19	31	4.57
Group of 20 or more	24	3.53
Bad answer	6	0.88

Frequency Missing = 160

Did you camp at the 2nd area?		
Q18e	Freq	Pct
Blank	136	20.00
Yes	166	24.41
No	377	55.44
Bad answer	1	0.15

Frequency Missing = 159

Rate (2nd area): Trail condition		
Q18f_a	Freq	Pct
Blank	136	20.27
Excellent	130	19.37
Good	275	40.98
Fair	103	15.35
Poor	23	3.43
Very poor	1	0.15
N/A	2	0.30
Bad answer	1	0.15

Frequency Missing = 168

Rate (2nd area): Trail length		
Q18f_b	Freq	Pct
Blank	135	20.12
Excellent	140	20.86
Good	285	42.47
Fair	86	12.82
Poor	16	2.38
Very poor	6	0.89
N/A	3	0.45

Frequency Missing = 168

Rate (2nd area): Trail width		
Q18f_c	Freq	Pct
Blank	137	20.42
Excellent	134	19.97
Good	297	44.26
Fair	81	12.07
Poor	15	2.24
Very poor	2	0.30
N/A	5	0.75

Frequency Missing = 168

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

Rate (2nd area): Trail signs		
Q18f_d	**Freq**	**Pct**
Blank	136	20.33
Excellent	64	9.57
Good	213	31.84
Fair	130	19.43
Poor	77	11.51
Very poor	22	3.29
N/A	25	3.74
Bad answer	2	0.30

Frequency Missing = 170

Rate (2nd area): Area signs		
Q18f_f	**Freq**	**Pct**
Blank	136	20.57
Excellent	61	9.23
Good	203	30.71
Fair	147	22.24
Poor	67	10.14
Very poor	15	2.27
N/A	32	4.84

Frequency Missing = 178

Rate (2nd area): Maps		
Q18f_e	**Freq**	**Pct**
Blank	139	21.16
Excellent	62	9.44
Good	172	26.18
Fair	113	17.20
Poor	84	12.79
Very poor	22	3.35
N/A	64	9.74
Bad answer	1	0.15

Frequency Missing = 182

Rate (2nd area): Parking		
Q18f_g	**Freq**	**Pct**
Blank	134	20.06
Excellent	91	13.62
Good	249	37.28
Fair	114	17.07
Poor	41	6.14
Very poor	14	2.10
N/A	22	3.29
Bad answer	3	0.45

Frequency Missing = 171

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

Rate (2nd area): Camping		
Q18f_h	Freq	Pct
Blank	152	23.68
Excellent	53	8.26
Good	119	18.54
Fair	78	12.15
Poor	29	4.52
Very poor	14	2.18
N/A	196	30.53
Bad answer	1	0.16

Frequency Missing = 197

Rate (2nd area): Scenery		
Q18f_i	Freq	Pct
Blank	135	20.18
Excellent	241	36.02
Good	224	33.48
Fair	55	8.22
Poor	4	0.60
Very poor	1	0.15
N/A	7	1.05
Bad answer	2	0.30

Frequency Missing = 170

Rate (2nd area): Crowding		
Q18f_j	Freq	Pct
Blank	141	21.40
Excellent	91	13.81
Good	196	29.74
Fair	140	21.24
Poor	23	3.49
Very poor	8	1.21
N/A	60	9.10

Frequency Missing = 180

Rate (2nd area): Public behavior		
Q18f_k	Freq	Pct
Blank	138	20.63
Excellent	135	20.18
Good	275	41.11
Fair	78	11.66
Poor	12	1.79
Very poor	4	0.60
N/A	27	4.04

Frequency Missing = 170

In 2007, did you participate in a commercial trail ride(s) in Missouri?		
Q20	Freq	Pct
Blank	16	1.96
Yes	251	30.76
No	548	67.16
Bad answer	1	0.12

Frequency Missing = 23

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Are you a member of a saddle club or other horse group?		
Q21	**Freq**	**Pct**
Blank	14	1.69
Yes	329	39.78
No	483	58.40
Bad answer	1	0.12

Frequency Missing = 12

Information source: Books		
Q22a	**Freq**	**Pct**
Blank	54	7.19
Yes	301	40.08
No	396	52.73

Frequency Missing = 88

Information source: Brochures		
Q22b	**Freq**	**Pct**
Blank	44	5.71
Yes	487	63.25
No	239	31.04

Frequency Missing = 69

Information source: Family\friends		
Q22c	**Freq**	**Pct**
Blank	30	3.69
Yes	739	90.90
No	44	5.41

Frequency Missing = 26

Information source: Television		
Q22d	**Freq**	**Pct**
Blank	62	8.34
Yes	148	19.92
No	533	71.74

Frequency Missing = 96

Information source: Radio		
Q22e	**Freq**	**Pct**
Blank	65	8.86
Yes	83	11.31
No	586	79.84

Frequency Missing = 105

Information source: Missouri Conservationist magazine		
Q22f	**Freq**	**Pct**
Blank	42	5.61
Yes	309	41.26
No	398	53.14

Frequency Missing = 90

Information source: Other magazines		
Q22g	**Freq**	**Pct**
Blank	58	7.69
Yes	368	48.81
No	328	43.50

Frequency Missing = 85

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

Information source: Missouri Department of Conservation website		
Q22h	Freq	Pct
Blank	59	8.02
Yes	176	23.91
No	500	67.93
Bad answer	1	0.14

Frequency Missing = 103

Information source: Missouri Department of Natural Resources website		
Q22k	Freq	Pct
Blank	63	8.65
Yes	128	17.58
No	536	73.63
Bad answer	1	0.14

Frequency Missing = 111

Information source: Forest Service website		
Q22i	Freq	Pct
Blank	61	8.30
Yes	134	18.23
No	540	73.47

Frequency Missing = 104

Information source: Other internet		
Q22l	Freq	Pct
Blank	71	9.70
Yes	232	31.69
No	429	58.61

Frequency Missing = 107

Information source: National Parks website		
Q22j	Freq	Pct
Blank	61	8.29
Yes	149	20.24
No	526	71.47

Frequency Missing = 103

Interested in attending: Trail building		
Q23a	Freq	Pct
Blank	52	6.78
Yes	449	58.54
No	266	34.68

Frequency Missing = 72

Interested in attending: Trail closures (e.g. when trails are wet)		
Q23b	Freq	Pct
Blank	59	7.87
Yes	383	51.07
No	308	41.07

Frequency Missing = 89

40

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables for Public Land Riders

Interested in attending: Trail maintenance		
Q23c	**Freq**	**Pct**
Blank	45	5.81
Yes	504	65.03
No	226	29.16

Frequency Missing = 64

Interested in attending: Trail signage		
Q23d	**Freq**	**Pct**
Blank	51	6.81
Yes	461	61.55
No	237	31.64

Frequency Missing = 90

Are you Male\Female		
Q24	**Freq**	**Pct**
Blank	13	1.57
Male	479	57.78
Female	333	40.17
Bad answer	4	0.48

Frequency Missing = 10

Please fill in your age.		
Q26	**Freq**	**Pct**
Under 20	7	0.97
21 to 35	33	4.55
36 to 50	225	31.03
51 to 65	363	50.07
Over 65	97	13.38

Frequency Missing = 114

What best describes your current occupation?		
Q27	**Freq**	**Pct**
Blank	8	0.97
Manufacturing	59	7.13
Professional/Managerial	240	29.02
Agricultural	88	10.64
Services	67	8.10
Student	6	0.73
Homemaker	21	2.54
Not employed	5	0.60
Retired	182	22.01
Other	88	10.64
Bad answer	63	7.62

Frequency Missing = 12

What is the highest education level that you have completed?		
Q28	**Freq**	**Pct**
Blank	7	0.85
Grade school	16	1.94
Some high school	24	2.91
High school	223	27.06
Trade/Technical School	91	11.04
Some college	203	24.64
College	142	17.23
Graduate/Professional	113	13.71
Bad answer	4	0.49
9	1	0.12

Frequency Missing = 15

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

What was your approximate gross annual household income in 2007?		
Q29	**Freq**	**Pct**
Blank	37	4.65
Under $30,000	101	12.69
$30,000 to $50,000	209	26.26
$50,001 to $70,000	162	20.35
$70,001 to $90,000	122	15.33
$90,001 to $110,000	72	9.05
$110,001 to $130,000	32	4.02
Over $130,000	61	7.66

Frequency Missing = 43

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Means Tables for Public Land Riders

	Question	N	Mean	Variance
Q2	In 2007, how many times did you ride on public lands?	735	16.6	603.4
Q7	During a typical day riding on public lands, how many hours do you ride?	826	4.5	2.6
Q11f	Trailer length	551	21.4	41.0
Q17a	In 2007, how many times did you ride the 1st area?	748	9.9	218.2
Q17b	In 2007, how long was your average trip to the 1st area?	748	2.9	61.2
Q17c	How many hours did you typically ride per day on the 1st area in 2007	789	4.8	9.3
Q17d	In what size group did you most often ride the 1st area in 2007?	781	5.4	17.6
Q17g_a	Spent (1st area) on: Travel (gas, oil, etc.)	673	52.5	4,791.8
Q17g_b	Spent (1st area) on: Camping, motels, etc	675	24.5	7,399.3
Q17g_c	Spent (1st area) on: Food	674	34.9	4,360.2
Q17g_d	Spent (1st area) on: Other travel expenses	674	6.7	548.1
Q17g_e	Spent (1st area) on: Horse feed	674	11.7	589.6
Q17g_f	Spent (1st area) on: Other horse expenses	674	12.2	2,023.4
Q18a	In 2007, how many times did you ride the 2nd area?	528	5.1	55.0
Q18b	In 2007, how long was your average trip to the 2nd area?	530	2.2	6.8
Q18c	How many hours did you typically ride per day on the 2nd area in 2007	544	5.0	6.9
Q18d	In what size group did you most often ride the 2ndt area in 2007?	540	5.8	21.3
Q18g_a	Spent (2nd area) on: Travel (gas, oil, etc.)	440	60.7	5,405.6
Q18g_b	Spent (2nd area) on: Camping, motels, etc	464	25.6	7,582.8
Q18g_c	Spent (2nd area) on: Food	450	34.2	3,130.7
Q18g_d	Spent (2nd area) on: Other travel expenses	469	7.8	960.3
Q18g_e	Spent (2nd area) on: Horse feed	455	12.3	632.1
Q18g_f	Spent (2nd area) on: Other horse expenses	465	8.9	917.0

Frequency Tables: All Respondents

In 2007, did you ride on public lands in Missouri?		
Q1	**Freq**	**Pct**
Blank	17	0.77
Yes	839	37.78
No	1357	61.10
Don't know	7	0.32
Bad answer	1	0.05

Frequency Missing = 68

How often do you typically ride on public lands during: Winter		
Q3a	**Freq**	**Pct**
Blank	1246	64.56
Frequently	43	2.23
Often	53	2.75
Sometimes	366	18.96
Never	221	11.45
Bad answer	1	0.05

Frequency Missing = 359

How often do you typically ride on public lands during: Spring		
Q3b	**Freq**	**Pct**
Blank	1191	59.73
Frequently	219	10.98
Often	277	13.89
Sometimes	294	14.74
Never	9	0.45
Bad answer	4	0.20

Frequency Missing = 295

How often do you typically ride on public lands during: Summer		
Q3c	**Freq**	**Pct**
Blank	1192	59.36
Frequently	226	11.25
Often	276	13.75
Sometimes	296	14.74
Never	16	0.80
Bad answer	2	0.10

Frequency Missing = 281

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

How often do you typically ride on public lands during: Fall		
Q3d	**Freq**	**Pct**
Blank	1186	59.39
Frequently	280	14.02
Often	261	13.07
Sometimes	264	13.22
Never	4	0.20
Bad answer	2	0.10

Frequency Missing = 292

During what time of day do you typically ride on public lands the most?		
Q5	**Freq**	**Pct**
Blank	1175	58.08
Only morning rides	10	0.49
Mostly morning rides	126	6.23
Mornings and afternoons equally	409	20.22
Mostly afternoon rides	121	5.98
Only afternoon rides	8	0.40
All day rides	145	7.17
Bad answer	29	1.43

Frequency Missing = 266

Do you typically ride on public lands on weekdays or weekends?		
Q4	**Freq**	**Pct**
Blank	1175	58.08
Only weekdays	19	0.94
Mostly weekdays	86	4.25
Weekdays and weekends equally	282	13.94
Mostly weekends	392	19.38
Only weekends	64	3.16
Bad answer	5	0.25

Frequency Missing = 266

In what size group do you most often ride on public lands?		
Q6	**Freq**	**Pct**
Blank	1176	58.10
Alone	45	2.22
Group of 2-4	465	22.97
Group of 5-10	237	11.71
Group of 11-19	52	2.57
Group of 20 or more	22	1.09
Bad answer	27	1.33

Frequency Missing = 265

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Are most of your rides on public lands day or overnight trips?		
Q8	Freq	Pct
Blank	1177	58.27
Only day trips	309	15.30
Mostly day trips	302	14.95
Day and overnight equally	155	7.67
Mostly overnight trips	68	3.37
Only overnight trips	5	0.25
Bad answer	4	0.20

Frequency Missing = 269

Overnight trips, how often do you: Camp on public land		
Q9a	Freq	Pct
Blank	1342	74.80
Always	88	4.91
Most of the time	129	7.19
Sometimes	207	11.54
Never	28	1.56

Frequency Missing = 495

Overnight trips, how often do you: Camp at a private campground		
Q9b	Freq	Pct
Blank	1388	79.86
Always	19	1.09
Most of the time	58	3.34
Sometimes	198	11.39
Never	75	4.32

Frequency Missing = 551

Overnight trips, how often do you: Stay at a motel\hotel		
Q9c	Freq	Pct
Blank	1407	82.86
Always	1	0.06
Most of the time	4	0.24
Sometimes	38	2.24
Never	248	14.61

Frequency Missing = 591

Overnight trips, how often do you: Stay at a commercial trail ride or stable		
Q9d	Freq	Pct
Blank	1386	80.25
Always	12	0.69
Most of the time	52	3.01
Sometimes	168	9.73
Never	109	6.31

Frequency Missing = 562

Overnight trips, how often do you: Stay at a friend or at a family members home		
Q9e	Freq	Pct
Blank	1404	82.49
Most of the time	14	0.82
Sometimes	109	6.40
Never	175	10.28

Frequency Missing = 587

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Overnight trips, do you stable your horse(s): With you at your campsite		
Q10a	**Freq**	**Pct**
Blank	1335	73.19
Yes	474	25.99
No	15	0.82

Frequency Missing = 465

Overnight trips, do you stable your horse(s): At a commercial stable		
Q10b	**Freq**	**Pct**
Blank	1401	82.12
Yes	83	4.87
No	222	13.01

Frequency Missing = 583

Overnight trips, do you stable your horse(s): With a friend or family members horses		
Q10c	**Freq**	**Pct**
Blank	1411	83.10
Yes	91	5.36
No	196	11.54

Frequency Missing = 591

What vehicle(s) do you use? Car		
Q11a	**Freq**	**Pct**
Blank	1357	77.72
Yes	12	0.69
No	377	21.59

Frequency Missing = 543

What vehicle(s) do you use? Truck		
Q11b	**Freq**	**Pct**
Blank	1206	60.94
Yes	763	38.55
No	8	0.40
Bad answer	2	0.10

Frequency Missing = 310

What vehicle(s) do you use? SUV		
Q11c	**Freq**	**Pct**
Blank	1360	78.30
Yes	39	2.25
No	338	19.46

Frequency Missing = 552

What vehicle(s) do you use? Motor home		
Q11d	**Freq**	**Pct**
Blank	1365	78.40
Yes	21	1.21
No	355	20.39

Frequency Missing = 548

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Frequency Tables: All Respondents

What vehicle(s) do you use? Trailer

Q11e	Freq	Pct
Blank	1202	60.71
Yes	760	38.38
No	18	0.91

Frequency Missing = 309

Does the trailer have living quarters?

Q11g	Freq	Pct
Blank	1208	60.92
Yes	333	16.79
No	437	22.04
Bad answer	5	0.25

Frequency Missing = 306

When selecting a public area and trail(s) to ride on, how important or unimportant is: Distance to area

Q12a	Freq	Pct
Blank	1179	58.72
Very important	365	18.18
Somewhat important	421	20.97
Not at all important	42	2.09
Bad answer	1	0.05

Frequency Missing = 281

When selecting a public area and trail(s) to ride on, how important or unimportant is: Number\length of trails on area

Q12b	Freq	Pct
Blank	1181	58.73
Very important	408	20.29
Somewhat important	378	18.80
Not at all important	44	2.19

Frequency Missing = 278

When selecting a public area and trail(s) to ride on, how important or unimportant is: Condition of trails on area

Q12c	Freq	Pct
Blank	1180	58.56
Very important	412	20.45
Somewhat important	358	17.77
Not at all important	64	3.18
Bad answer	1	0.05

Frequency Missing = 274

When selecting a public area and trail(s) to ride on, how important or unimportant is: Clarity of signage of the area

Q12d	Freq	Pct
Blank	1180	58.62
Very important	349	17.34
Somewhat important	377	18.73
Not at all important	104	5.17
Bad answer	3	0.15

Frequency Missing = 276

48

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Frequency Tables: All Respondents

When selecting a public area and trail(s) to ride on, how important or unimportant is: Trail width		
Q12e	**Freq**	**Pct**
Blank	1180	58.68
Very important	147	7.31
Somewhat important	464	23.07
Not at all important	219	10.89
Bad answer	1	0.05

Frequency Missing = 278

When selecting a public area and trail(s) to ride on, how important or unimportant is: Cost of trip		
Q12h	**Freq**	**Pct**
Blank	1181	58.79
Very important	325	16.18
Somewhat important	417	20.76
Not at all important	85	4.23
Bad answer	1	0.05

Frequency Missing = 280

When selecting a public area and trail(s) to ride on, how important or unimportant is: Familiarity with area		
Q12f	**Freq**	**Pct**
Blank	1179	58.57
Very important	91	4.52
Somewhat important	453	22.50
Not at all important	288	14.31
Bad answer	2	0.10

Frequency Missing = 276

When selecting a public area and trail(s) to ride on, how important or unimportant is: Amount of time available for trip		
Q12i	**Freq**	**Pct**
Blank	1182	58.75
Very important	359	17.84
Somewhat important	393	19.53
Not at all important	76	3.78
Bad answer	2	0.10

Frequency Missing = 277

When selecting a public area and trail(s) to ride on, how important or unimportant is: New place to ride		
Q12g	**Freq**	**Pct**
Blank	1180	58.62
Very important	296	14.70
Somewhat important	453	22.50
Not at all important	84	4.17

Frequency Missing = 276

When selecting a public area and trail(s) to ride on, how important or unimportant is: Number of riders expected at the area		
Q12j	**Freq**	**Pct**
Blank	1183	58.94
Very important	176	8.77
Somewhat important	439	21.87
Not at all important	206	10.26
Bad answer	3	0.15

Frequency Missing = 282

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Frequency Tables: All Respondents

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of maps and information		
Q12k	**Freq**	**Pct**
Blank	1180	58.68
Very important	333	16.56
Somewhat important	404	20.09
Not at all important	94	4.67

Frequency Missing = 278

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of toilets		
Q12n	**Freq**	**Pct**
Blank	1181	58.67
Very important	287	14.26
Somewhat important	392	19.47
Not at all important	153	7.60

Frequency Missing = 276

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of camping		
Q12l	**Freq**	**Pct**
Blank	1183	58.80
Very important	303	15.06
Somewhat important	327	16.25
Not at all important	199	9.89

Frequency Missing = 277

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of water for people		
Q12o	**Freq**	**Pct**
Blank	1183	58.74
Very important	315	15.64
Somewhat important	325	16.14
Not at all important	189	9.38
Bad answer	2	0.10

Frequency Missing = 275

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of parking at trailheads		
Q12m	**Freq**	**Pct**
Blank	1178	58.67
Very important	511	25.45
Somewhat important	272	13.55
Not at all important	43	2.14
Bad answer	4	0.20

Frequency Missing = 281

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of water for horses		
Q12p	**Freq**	**Pct**
Blank	1178	58.40
Very important	525	26.03
Somewhat important	255	12.64
Not at all important	59	2.93

Frequency Missing = 272

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

When selecting a public area and trail(s) to ride on, how important or unimportant is: Availability of hitching posts

Q12q	Freq	Pct
Blank	1181	58.64
Very important	235	11.67
Somewhat important	385	19.12
Not at all important	212	10.53
Bad answer	1	0.05

Frequency Missing = 275

Do you think there should be a limit on the number of riders allowed to ride in a group on public land?

Q13	Freq	Pct
Blank	1177	58.33
Yes	133	6.59
No	587	29.09
Don't know	116	5.75
Bad answer	5	0.25

Frequency Missing = 271

What do you think the group size limit should be?

Q14	Freq	Pct
Blank	1449	87.24
5 riders	7	0.42
10 riders	63	3.79
15 riders	29	1.75
20 riders	28	1.69
Don't know\no opinion	83	5.00
Bad answer	2	0.12

Frequency Missing = 628

In your opinion, what is ideal trail width?

Q15	Freq	Pct
Blank	1177	58.33
Single horse wide	133	6.59
Wide enough for 2 horses	513	25.42
Wider than 2 horses	131	6.49
Don't know	49	2.43
Bad answer	15	0.74

Frequency Missing = 271

Agree or disagree: There are too few trails

Q16a	Freq	Pct
Blank	1179	58.42
Strongly agree	386	19.13
Somewhat agree	250	12.39
Neutral	162	8.03
Somewhat disagree	34	1.68
Strongly disagree	7	0.35

Frequency Missing = 271

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Frequency Tables: All Respondents

Agree or disagree: Trails are in good shape		
Q16b	**Freq**	**Pct**
Blank	1180	58.53
Strongly agree	103	5.11
Somewhat agree	421	20.88
Neutral	199	9.87
Somewhat disagree	96	4.76
Strongly disagree	17	0.84

Frequency Missing = 273

Agree or disagree: Riders obey trail rules		
Q16c	**Freq**	**Pct**
Blank	1180	58.50
Strongly agree	248	12.30
Somewhat agree	420	20.82
Neutral	115	5.70
Somewhat disagree	45	2.23
Strongly disagree	4	0.20
Bad answer	5	0.25

Frequency Missing = 272

Agree or disagree: Mountain bikers cause problems for horses		
Q16d	**Freq**	**Pct**
Blank	1179	58.51
Strongly agree	263	13.05
Somewhat agree	207	10.27
Neutral	242	12.01
Somewhat disagree	73	3.62
Strongly disagree	47	2.33
Bad answer	4	0.20

Frequency Missing = 274

Agree or disagree: Trails should be maintained by riders		
Q16e	**Freq**	**Pct**
Blank	1184	58.79
Strongly agree	65	3.23
Somewhat agree	282	14.00
Neutral	267	13.26
Somewhat disagree	140	6.95
Strongly disagree	76	3.77

Frequency Missing = 275

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Frequency Tables: All Respondents

Agree or disagree: Trails should be closed during deer hunting seasons		
Q16f	**Freq**	**Pct**
Blank	1180	58.36
Strongly agree	360	17.80
Somewhat agree	185	9.15
Neutral	138	6.82
Somewhat disagree	92	4.55
Strongly disagree	66	3.26
Bad answer	1	0.05

Frequency Missing = 267

Agree or disagree: Trails should be closed when wet		
Q16h	**Freq**	**Pct**
Blank	1179	58.34
Strongly agree	67	3.32
Somewhat agree	155	7.67
Neutral	230	11.38
Somewhat disagree	244	12.07
Strongly disagree	142	7.03
Bad answer	4	0.20

Frequency Missing = 268

Agree or disagree: Trails should be closed during turkey hunting seasons		
Q16g	**Freq**	**Pct**
Blank	1180	58.47
Strongly agree	221	10.95
Somewhat agree	199	9.86
Neutral	163	8.08
Somewhat disagree	146	7.23
Strongly disagree	107	5.30
Bad answer	2	0.10

Frequency Missing = 271

Agree or disagree: Hikers cause problems for horses		
Q16i	**Freq**	**Pct**
Blank	1178	58.43
Strongly agree	44	2.18
Somewhat agree	90	4.46
Neutral	241	11.95
Somewhat disagree	241	11.95
Strongly disagree	218	10.81
Bad answer	4	0.20

Frequency Missing = 273

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Frequency Tables: All Respondents

Agree or disagree: Trails should be closed for scheduled maintenance		
Q16j	**Freq**	**Pct**
Blank	1178	58.52
Strongly agree	86	4.27
Somewhat agree	200	9.94
Neutral	244	12.12
Somewhat disagree	191	9.49
Strongly disagree	110	5.46
Bad answer	4	0.20

Frequency Missing = 276

Agree or disagree: More trails should be managed for multiple nonmotorized use		
Q16l	**Freq**	**Pct**
Blank	1180	58.39
Strongly agree	429	21.23
Somewhat agree	220	10.89
Neutral	148	7.32
Somewhat disagree	24	1.19
Strongly disagree	20	0.99

Frequency Missing = 268

Agree or disagree: ATVs cause problems for horses		
Q16k	**Freq**	**Pct**
Blank	1182	58.78
Strongly agree	445	22.13
Somewhat agree	205	10.19
Neutral	89	4.43
Somewhat disagree	52	2.59
Strongly disagree	38	1.89

Frequency Missing = 278

Agree or disagree: I would be willing to volunteer to place\maintain trail signs		
Q16m	**Freq**	**Pct**
Blank	1180	58.53
Strongly agree	244	12.10
Somewhat agree	260	12.90
Neutral	248	12.30
Somewhat disagree	44	2.18
Strongly disagree	39	1.93
Bad answer	1	0.05

Frequency Missing = 273

54
All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Freq Tables: All Respondents (Areas Ridden)

Area Name	Most Freq. Area (Q17)		Second (Q18)		Third (Q19a)		Fourth (Q19b)		Fifth (Q19c)	
	Freq	Pct	Freq	Pct	Freq	Pct	Freq	Pct	Freq	Pct
Angeline CA (MDC)	13	1.62	12	2.14	5	1.52	4	1.66	7	4.22
Apple Creek CA (MDC)	15	1.87	3	0.53	4	1.21	2	0.83	3	1.81
Atlanta (MDC)			2	0.36						
Audubon Trail - Mark Twain (USFS)	1	0.12								
Bar-K - Mark Twain (USFS)	4	0.5	3	0.53	1	0.3				
Barnes (P F) CA	1	0.12								
Bell Mountain Trail – Salem-Potosi (USFS)	5	0.62	2	0.36			2	0.83	1	0.6
Berry Bend - Truman Lake (COE)	7	0.87	6	1.07	7	2.12	4	1.66		
Berryman Trail - Salem-Potosi (USFS)	2	0.25	8	1.42	8	2.42	3	1.24	5	3.01
Bicentennial CA (MDC)	3	0.37	5	0.89	2	0.61	1	0.41	1	0.6
Big Buffalo Creek CA (MDC)	2	0.25			3	0.91				
Big Piney Trail - Houston-Rolla (USFS)	22	2.74	12	2.14	10	3.03	5	2.07	2	1.2
Big Sugar Trail - Cuivre River State Park (DNR)	28	3.48	7	1.25	6	1.82	5	2.07	7	4.22
Blind Pony (MDC)	1	0.12								
Blue & Gray Park (Jackson County)	6	0.75	5	0.89	1	0.3	2	0.83	2	1.2
Blue Ridge Trail - Doniphan-Eleven Point (USFS)			3	0.53					1	0.6
Bolivar Landing - Pomme de Terre Lake (COE)	3	0.37	4	0.71			1	0.41		
Bonanza CA (MDC)	3	0.37	2	0.36					1	0.6
Broadfoot Trail - Ozark NSR (NPS)	8	1	12	2.14	14	4.24	6	2.49	3	1.81
Brownfield-Falcon					1	0.3				
Brushy Creek Resort	2	0.25	2	0.36						
Buford Mountain CA			1	0.18						
Bull Shoals (COE)	1	0.12								
Bunch Hollow CA (MDC)	4	0.5	2	0.36	1	0.3			1	0.6
Busch Wildlife (MDC)	1	0.12			1	0.3				
Bushwhacker Lake CA (MDC)	2	0.25	2	0.36	1	0.3	1	0.41		
Busiek SF & WA (MDC)	28	3.48	13	2.31	9	2.73	5	2.07	3	1.81
Caney Mountain CA (MDC)	1	0.12	1	0.18						
Caplinger Mills Park (MDC)			1	0.18						
Castor River CA (MDC)	8	1	8	1.42	3	0.91	4	1.66		
Cedar Creek (USFS)	13	1.62	11	1.96	4	1.21	7	2.9	2	1.2
Charlie Heath Mem CA (MDC)	2	0.25	3	0.53					1	0.6
Chubb Trail - Castlewood State Park (DNR)	4	0.5	1	0.18					3	1.81
Cole Creek Trail – Houston-Rolla (USFS)			4	0.71	1	0.3	1	0.41		
Compton Hollow CA (MDC)	17	2.11	8	1.42	4	1.21	2	0.83	1	0.6
Current River CA	2	0.25								
Daniel Boone CA (MDC)	5	0.62	1	0.18	3	0.91			1	0.6
Deer Ridge CA (MDC)	6	0.75	5	0.89	2	0.61			2	1.2
Devils Backbone Trail - Willow Springs (USFS)	18	2.24	5	0.89	5	1.52	2	0.83	2	1.2
Dr. Edmund Babler State Park (DNR)	5	0.62	6	1.07	8	2.42	5	2.07	1	0.6
Flag Spring CA (MDC)	2	0.25	2	0.36	1	0.3				
Forest 44 CA (MDC)			3	0.53	2	0.61	1	0.41	1	0.6
Fort Crowder CA (MDC)	8	1	6	1.07	1	0.3	2	0.83		
Fuson (John Alva, MD) CA	1	0.12								
George Winter City Park	1	0.12								
Glade Top Trail (Douglas County)	2	0.25	1	0.18						
Goggins Mountain Trail - Johnson's Shut-Ins (DNR)					3	0.91	2	0.83	1	0.6
Golden Hills Resort			1	0.18			1	0.41		
Greensfelder County Park	4	0.5	5	0.89	3	0.91			2	1.2
Ha Ha Tonka State Park	1	0.12								
Hamby Woods			1	0.18						
Harry S Truman State Park			1	0.18						
Harry Truman Lake (COE)	1	0.12								

Area Name	Most Freq. Area (Q17)		Second (Q18)		Third (Q19a)		Fourth (Q19b)		Fifth (Q19c)	
	Freq	Pct	Freq	Pct	Freq	Pct	Freq	Pct	Freq	Pct
Hazel Creek CA	1	0.12					1	0.41		
Henry Sever Lake CA (MDC)			2	0.36	1	0.3				
Hercules Glade Trail - Ava (USFS)	9	1.12	15	2.67	6	1.82	5	2.07	2	1.2
Hickory Ridge Trail - St. Joe State Park (DNR)	17	2.11	6	1.07	5	1.52	1	0.41	1	0.6
Hidden Hollow CA			1	0.18						
Holden City Lake									1	0.6
Holly Ridge CA (MDC)	3	0.37	2	0.36			2	0.83	1	0.6
Honey Creek CA (MDC)	23	2.86	5	0.89	3	0.91	4	1.66	1	0.6
Huckleberry Ridge CA (MDC)	11	1.37	8	1.42	6	1.82	6	2.49		
Hulston Mill County Park	4	0.5	6	1.07	2	0.61	2	0.83		
Huzzah CA			1	0.18						
Irish Wilderness	1	0.12							1	0.6
J. Avery Ruble Memorial Trail - Meramec CA (MDC)	3	0.37	5	0.89	2	0.61	2	0.83		
James A. Reed Memorial WA (MDC)	9	1.12	5	0.89	5	1.52	4	1.66	5	3.01
Jerktail Trail - Ozark NSR (NPS)	11	1.37	4	0.71	6	1.82	2	0.83	4	2.41
Joanna Trail - Mark Twain Lake (COE)	6	0.75	8	1.42	4	1.21	2	0.83	2	1.2
John J. Audubon Trail – Fredricktown (USFS)			1	0.18	1	0.3				
Kaintuck Trail - Houston-Rolla (USFS)	2	0.25	2	0.36	1	0.3	2	0.83	1	0.6
Katy Trail State Park (DNR)	7	0.87	9	1.6	5	1.52	3	1.24	2	1.2
Lake of the Ozarks State Park							1	0.41		
Lake Wappappello State Park (DNR)	1	0.12	1	0.18	1	0.3	4	1.66	2	1.2
Landahl County Park			1	0.18	1	0.3				
Lead Mine CA (MDC)	32	3.98	9	1.6	7	2.12	4	1.66	4	2.41
Lick Creek - Mark Twain Lake (COE)	1	0.12	1	0.18	3	0.91	3	1.24	2	1.2
Little Indian Creek CA (MDC)	12	1.49	5	0.89					2	1.2
Little Lost Creek CA (MDC)	2	0.25	4	0.71	1	0.3	1	0.41		
Long Ridge CA (MDC)	6	0.75	6	1.07	1	0.3	1	0.41	1	0.6
Longview Trail - Longview Lake (COE)	8	1	9	1.6	4	1.21	3	1.24	1	0.6
Marion Bottoms CA (MDC)	1	0.12								
Mark Twain NF (USFS)	3	0.37	1	0.18	3	0.91				
Mark Twain State Park (DNR)	1	0.12			1	0.3				
McAdoo Trail - Knob Noster State Park (DNR)	24	2.99	8	1.42	4	1.21	4	1.66	5	3.01
McCormack-Greer Trail - Doniphan-Eleven Pt. (USFS)	3	0.37	3	0.53	1	0.3	1	0.41	1	0.6
Meramec State Park	2	0.25	1	0.18	2	0.61	1	0.41		
Mill Creek	3	0.37	1	0.18						
Monkey Mountain CA					1	0.3				
Monkey Mountain County Park	4	0.5			1	0.3	1	0.41		
Moreau Creek Trail - Scrivner Road CA (MDC)	3	0.37	3	0.53	3	0.91	3	1.24	2	1.2
Mudlick Trail - Sam A. Baker State Park (DNR)	3	0.37	4	0.71	3	0.91	4	1.66	1	0.6
Nodaway Valley CA (MDC)	1	0.12								
Orleans Trail - Stockton Lake (COE)	1	0.12	4	0.71	3	0.91	4	1.66	1	0.6
Ozark National Scenic Riverway	2	0.25			1	0.3				
Ozark Trail	2	0.25	1	0.18					2	1.2
Ozark Trail (Between the Rivers) – Doniphan (USFS)	2	0.25	1	0.18	2	0.61	1	0.41		
Ozark Trail (Blair Creek) - Salem-Potosi (USFS)	3	0.37	2	0.36	1	0.3	6	2.49	2	1.2
Ozark Trail (Eleven Point) - Doniphan-Eleven (USFS)	3	0.37	5	0.89	2	0.61			1	0.6
Ozark Trail (Karkaghne) - Salem-Potosi (USFS)	1	0.12	1	0.18	2	0.61				
Ozark Trail (Lake Wappapello) (COE)	2	0.25	3	0.53	2	0.61	3	1.24	2	1.2
Ozark Trail (Marble Creek) - Fredericktown (USFS)	1	0.12	2	0.36	4	1.21			1	0.6
Ozark Trail (Trace Creek) - Salem-Potosi (USFS)	3	0.37	1	0.18	2	0.61	1	0.41		
Ozark Trail (Victory) - Poplar Bluff (USFS)	4	0.5					2	0.83	3	1.81
Paddy Creek Wilderness	1	0.12	4	0.71	1	0.3			1	0.6
Pee-Wah Trail - Trail of Tears State Park (DNR)	2	0.25	7	1.25	3	0.91			2	1.2

Area Name	Most Freq. Area (Q17)		Second (Q18)		Third (Q19a)		Fourth (Q19b)		Fifth (Q19c)	
	Freq	Pct	Freq	Pct	Freq	Pct	Freq	Pct	Freq	Pct
Pike Run Trail - St. Francois State Park (DNR)	2	0.25	8	1.42			3	1.24	1	0.6
Piney Creek Trail - Cassville (USFS)	7	0.87	7	1.25	2	0.61	8	3.32	4	2.41
Pleasant Hope CA (MDC)	5	0.62	6	1.07	3	0.91			3	1.81
Pmme de Terre State Park	1	0.12							1	0.6
Poosey CA (MDC)	18	2.24	16	2.85	8	2.42	4	1.66	1	0.6
Prairie Home CA (MDC)	6	0.75	1	0.18			6	2.49	3	1.81
Queeny County Park	2	0.25	2	0.36						
Rebel's Cove CA	1	0.12								
Ridge Runner Trail - Willow Springs (USFS)	1	0.12	7	1.25	1	0.3	1	0.41		
Riverbreaks CA (MDC)			1	0.18			1	0.41		
Robert E. Talbot CA (MDC)	19	2.36	7	1.25	11	3.33			1	0.6
Roby Lake (USFS)	1	0.12								
Rock Bridge Memorial State Park (DNR)	2	0.25	5	0.89	7	2.12	2	0.83		
Rockwoods Range (MDC)	4	0.5	4	0.71	1	0.3	1	0.41		
Rudolf Bennitt CA (MDC)	28	3.48	5	0.89	6	1.82	2	0.83	2	1.2
Shawnee Trail - Ozark NSR (NPS)	24	2.99	21	3.74	8	2.42	4	1.66	6	3.61
Show Me Lake	1	0.12								
Smithville Lake (COE)	20	2.49	22	3.91	3	0.91	2	0.83		
Stockton Lake ML (MDC)	12	1.49	11	1.96	3	0.91	7	2.9	5	3.01
Sugar Creek CA (MDC)	15	1.87	2	0.36	3	0.91	1	0.41	1	0.6
Sunklands CA			1	0.18						
Swan Creek Trail - Ava (USFS)	21	2.61	7	1.25	7	2.12	1	0.41	4	2.41
Tarkio Prairie CA	1	0.12								
Thompson River Trail - Crowder State Park (DNR)	4	0.5	2	0.36			1	0.41	2	1.2
Three Creeks CA (MDC)	6	0.75	9	1.6	3	0.91	3	1.24	3	1.81
Trail of the Four Winds - Lake of the Ozarks	7	0.87	8	1.42	3	0.91	1	0.41	2	1.2
Two Rivers Trail - Ozark NSR (NPS)	7	0.87	10	1.78	6	1.82	16	6.64	7	4.22
Union Ridge CA			1	0.18						
University Forest CA (MDC)	1	0.12			3	0.91	1	0.41	1	0.6
USFS (General)			2	0.36	1	0.3				
Victory Trail – Poplar Bluff (USFS)	2	0.25	4	0.71	1	0.3	1	0.41		
Wappapello Reservoir (MDC)	1	0.12	1	0.18	1	0.3	2	0.83	2	1.2
Watkins Wollen Mill State Park (DNR)	8	1	5	0.89	2	0.61				
Whites Creek Trail - Doniphan-Eleven Point (USFS)	3	0.37	2	0.36	2	0.61	1	0.41	1	0.6
Wilson's Creek National Battlefield	6	0.75	4	0.71	2	0.61	1	0.41		
Wire Road CA (MDC)	4	0.5	6	1.07	5	1.52	2	0.83	1	0.6
Other	49	6.09	25	4.45	14	4.24	14	5.81	3	1.81

In what size group did you most often ride the 1st area in 2007?		
Q17d	**Freq**	**Pct**
Blank	1190	59.53
Alone	42	2.10
Group of 2-4	456	22.81
Group of 5-10	223	11.16
Group of 11-19	50	2.50
Group of 20 or more	20	1.00
Bad answer	18	0.90

Frequency Missing = 290

Did you camp at the 1st area?		
Q17e	**Freq**	**Pct**
Blank	1192	59.63
Yes	251	12.56
No	553	27.66
Bad answer	3	0.15

Frequency Missing = 290

Rate (1st area): Trail condition		
Q17f_a	**Freq**	**Pct**
Blank	1195	59.90
Excellent	179	8.97
Good	433	21.70
Fair	151	7.57
Poor	24	1.20
Very poor	5	0.25
N/A	7	0.35
Bad answer	1	0.05

Frequency Missing = 294

Rate (1st area): Trail length		
Q17f_b	**Freq**	**Pct**
Blank	1200	60.21
Excellent	193	9.68
Good	460	23.08
Fair	115	5.77
Poor	13	0.65
Very poor	4	0.20
N/A	7	0.35
Bad answer	1	0.05

Frequency Missing = 296

Rate (1st area): Trail width		
Q17f_c	**Freq**	**Pct**
Blank	1197	60.03
Excellent	185	9.28
Good	415	20.81
Fair	164	8.22
Poor	20	1.00
Very poor	6	0.30
N/A	7	0.35

Frequency Missing = 295

Rate (1st area): Trail signs		
Q17f_d	**Freq**	**Pct**
Blank	1197	60.09
Excellent	105	5.27
Good	298	14.96
Fair	221	11.09
Poor	101	5.07
Very poor	20	1.00
N/A	45	2.26
Bad answer	5	0.25

Frequency Missing = 297

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Rate (1st area): Maps		
Q17f_e	**Freq**	**Pct**
Blank	1199	60.68
Excellent	97	4.91
Good	242	12.25
Fair	194	9.82
Poor	100	5.06
Very poor	26	1.32
N/A	115	5.82
Bad answer	3	0.15

Frequency Missing = 313

Rate (1st area): Parking		
Q17f_g	**Freq**	**Pct**
Blank	1195	60.05
Excellent	162	8.14
Good	405	20.35
Fair	146	7.34
Poor	35	1.76
Very poor	20	1.01
N/A	22	1.11
Bad answer	5	0.25

Frequency Missing = 299

Rate (1st area): Area signs		
	Freq	**Pct**
Blank	1202	61.17
Excellent	99	5.04
Good	304	15.47
Fair	208	10.59
Poor	76	3.87
Very poor	20	1.02
N/A	53	2.70
Bad answer	3	0.15

Frequency Missing = 324

Rate (1st area): Camping		
Q17f_h	**Freq**	**Pct**
Blank	1218	62.17
Excellent	84	4.29
Good	213	10.87
Fair	116	5.92
Poor	45	2.30
Very poor	17	0.87
N/A	265	13.53
Bad answer	1	0.05

Frequency Missing = 330

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Rate (1st area): Scenery		
Q17f_i	Freq	Pct
Blank	1197	60.06
Excellent	396	19.87
Good	319	16.01
Fair	61	3.06
Poor	9	0.45
Very poor	2	0.10
N/A	5	0.25
Bad answer	4	0.20

Frequency Missing = 296

Rate (1st area): Crowding		
Q17f_j	Freq	Pct
Blank	1208	61.23
Excellent	129	6.54
Good	288	14.60
Fair	222	11.25
Poor	23	1.17
Very poor	7	0.35
N/A	96	4.87

Frequency Missing = 316

Rate (1st area): Public behavior		
Q17f_k	Freq	Pct
Blank	1198	60.14
Excellent	228	11.45
Good	392	19.68
Fair	105	5.27
Poor	17	0.85
Very poor	5	0.25
N/A	46	2.31
Bad answer	1	0.05

Frequency Missing = 297

In what size group did you most often ride the 2nd area in 2007?		
Q18d	Freq	Pct
Blank	1307	70.31
Alone	22	1.18
Group of 2-4	303	16.30
Group of 5-10	165	8.88
Group of 11-19	32	1.72
Group of 20 or more	24	1.29
Bad answer	6	0.32

Frequency Missing = 430

Did you camp at the 2nd area?		
Q18e	Freq	Pct
Blank	1310	70.39
Yes	167	8.97
No	383	20.58
Bad answer	1	0.05

Frequency Missing = 428

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Rate (2nd area): Trail condition		
Q18f_a	**Freq**	**Pct**
Blank	1310	70.70
Excellent	130	7.02
Good	277	14.95
Fair	108	5.83
Poor	23	1.24
Very poor	1	0.05
N/A	3	0.16
Bad answer	1	0.05

Frequency Missing = 436

Rate (2nd area): Trail signs		
Q18f_d	**Freq**	**Pct**
Blank	1310	70.81
Excellent	64	3.46
Good	214	11.57
Fair	133	7.19
Poor	79	4.27
Very poor	22	1.19
N/A	26	1.41
Bad answer	2	0.11

Frequency Missing = 439

Rate (2nd area): Trail length		
Q18f_b	**Freq**	**Pct**
Blank	1309	70.64
Excellent	140	7.56
Good	287	15.49
Fair	89	4.80
Poor	18	0.97
Very poor	6	0.32
N/A	4	0.22

Frequency Missing = 436

Rate (2nd area): Maps		
Q18f_e	**Freq**	**Pct**
Blank	1313	71.48
Excellent	62	3.38
Good	173	9.42
Fair	115	6.26
Poor	85	4.63
Very poor	22	1.20
N/A	66	3.59
Bad answer	1	0.05

Frequency Missing = 452

Rate (2nd area): Trail width		
Q18f_c	**Freq**	**Pct**
Blank	1311	70.75
Excellent	134	7.23
Good	301	16.24
Fair	83	4.48
Poor	16	0.86
Very poor	2	0.11
N/A	6	0.32

Frequency Missing = 436

Rate (2nd area): Area signs		
Q18f_f	**Freq**	**Pct**
Blank	1310	71.16
Excellent	61	3.31
Good	204	11.08
Fair	150	8.15
Poor	68	3.69
Very poor	15	0.81
N/A	33	1.79

Frequency Missing = 448

61

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Rate (2nd area): Parking		
Q18f_g	Freq	Pct
Blank	1308	70.78
Excellent	91	4.92
Good	250	13.53
Fair	116	6.28
Poor	43	2.33
Very poor	14	0.76
N/A	23	1.24
Bad answer	3	0.16

Frequency Missing = 441

Rate (2nd area): Camping		
Q18f_h	Freq	Pct
Blank	1326	72.78
Excellent	53	2.91
Good	122	6.70
Fair	78	4.28
Poor	29	1.59
Very poor	14	0.77
N/A	199	10.92
Bad answer	1	0.05

Frequency Missing = 467

Rate (2nd area): Scenery		
Q18f_i	Freq	Pct
Blank	1309	70.76
Excellent	242	13.08
Good	227	12.27
Fair	57	3.08
Poor	4	0.22
Very poor	1	0.05
N/A	8	0.43
Bad answer	2	0.11

Frequency Missing = 439

Rate (2nd area): Crowding		
Q18f_j	Freq	Pct
Blank	1315	71.47
Excellent	91	4.95
Good	197	10.71
Fair	142	7.72
Poor	25	1.36
Very poor	8	0.43
N/A	62	3.37

Frequency Missing = 449

Rate (2nd area): Public behavior		
Q18f_k	Freq	Pct
Blank	1312	70.88
Excellent	135	7.29
Good	279	15.07
Fair	80	4.32
Poor	13	0.70
Very poor	4	0.22
N/A	28	1.51

Frequency Missing = 438

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

In 2007, did you participate in a commercial trail ride(s) in Missouri?		
Q20	**Freq**	**Pct**
Blank	124	5.60
Yes	274	12.38
No	1815	81.98
Bad answer	1	0.05

Frequency Missing = 75

Are you a member of a saddle club or other horse group?		
Q21	**Freq**	**Pct**
Blank	120	5.38
Yes	481	21.58
No	1627	72.99
Bad answer	1	0.04

Frequency Missing = 60

Information source: Books		
Q22a	**Freq**	**Pct**
Blank	349	16.71
Yes	657	31.45
No	1081	51.75
Bad answer	2	0.10

Frequency Missing = 200

Information source: Brochures		
Q22b	**Freq**	**Pct**
Blank	365	17.35
Yes	799	37.98
No	939	44.63
Bad answer	1	0.05

Frequency Missing = 185

Information source: Family\friends		
Q22c	**Freq**	**Pct**
Blank	265	12.21
Yes	1414	65.13
No	490	22.57
Bad answer	2	0.09

Frequency Missing = 118

Information source: Television		
Q22d	**Freq**	**Pct**
Blank	389	18.77
Yes	420	20.27
No	1259	60.76
Bad answer	4	0.19

Frequency Missing = 217

Information source: Radio		
Q22e	**Freq**	**Pct**
Blank	436	21.28
Yes	180	8.78
No	1431	69.84
Bad answer	2	0.10

Frequency Missing = 240

Information source: Missouri Conservationist magazine		
Q22f	**Freq**	**Pct**
Blank	358	17.21
Yes	617	29.66
No	1103	53.03
Bad answer	2	0.10

Frequency Missing = 209

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Information source: Other magazines		
Q22g	Freq	Pct
Blank	359	17.20
Yes	754	36.13
No	973	46.62
Bad answer	1	0.05

Frequency Missing = 202

Information source: Missouri Department of Conservation website		
Q22h	Freq	Pct
Blank	426	20.80
Yes	240	11.72
No	1380	67.38
Bad answer	2	0.10

Frequency Missing = 241

Information source: Forest Service website		
Q22i	Freq	Pct
Blank	436	21.31
Yes	160	7.82
No	1449	70.82
Bad answer	1	0.05

Frequency Missing = 243

Information source: National Parks website		
Q22j	Freq	Pct
Blank	436	21.27
Yes	192	9.37
No	1421	69.32
Bad answer	1	0.05

Frequency Missing = 239

Information source: Missouri Department of Natural Resources website		
Q22k	Freq	Pct
Blank	439	21.50
Yes	169	8.28
No	1432	70.13
Bad answer	2	0.10

Frequency Missing = 247

Information source: Other internet		
Q22l	Freq	Pct
Blank	423	20.59
Yes	396	19.28
No	1234	60.08
Bad answer	1	0.05

Frequency Missing = 235

Interested in attending: Trail building		
Q23a	Freq	Pct
Blank	253	11.87
Yes	738	34.63
No	1139	53.45
Bad answer	1	0.05

Frequency Missing = 158

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Interested in attending: Trail closures (e.g. when trails are wet)		
Q23b	**Freq**	**Pct**
Blank	288	13.68
Yes	617	29.30
No	1200	56.98
Bad answer	1	0.05

Frequency Missing = 183

Interested in attending: Trail maintenance		
Q23c	**Freq**	**Pct**
Blank	260	12.19
Yes	792	37.13
No	1078	50.54
Bad answer	3	0.14

Frequency Missing = 156

Interested in attending: Trail signage		
Q23d	**Freq**	**Pct**
Blank	306	14.58
Yes	696	33.16
No	1096	52.22
Bad answer	1	0.05

Frequency Missing = 190

Are you Male\Female		
Q24	**Freq**	**Pct**
Blank	102	4.56
Male	1414	63.18
Female	715	31.95
Bad answer	7	0.31

Frequency Missing = 51

Please fill in your age.		
Q26	**Freq**	**Pct**
Under 20	14	0.73
21 to 35	94	4.90
36 to 50	530	27.62
51 to 65	882	45.96
Over 65	399	20.79

Frequency Missing = 370

What best describes your current occupation?		
Q27	**Freq**	**Pct**
Blank	99	4.44
Manufacturing	131	5.87
Professional/Managerial	508	22.78
Agricultural	348	15.61
Services	162	7.26
Student	12	0.54
Homemaker	62	2.78
Not employed	13	0.58
Retired	513	23.00
Other	204	9.15
Bad answer	178	7.98

Frequency Missing = 59

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

What is the highest education level that you have completed?		
Q28	**Freq**	**Pct**
Blank	100	4.49
Grade school	95	4.26
Some high school	88	3.95
High school	633	28.41
Trade/Technical School	185	8.30
Some college	476	21.36
College	346	15.53
Graduate/Professional	298	13.38
Bad answer	6	0.27
9	1	0.04

Frequency Missing = 61

What was your approximate gross annual household income in 2007?		
Q29	**Freq**	**Pct**
Blank	275	12.67
Under $30,000	332	15.29
$30,000 to $50,000	548	25.24
$50,001 to $70,000	369	17.00
$70,001 to $90,000	237	10.92
$90,001 to $110,000	163	7.51
$110,001 to $130,000	87	4.01
Over $130,000	159	7.32
Bad answer	1	0.05

Frequency Missing = 118

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test for equal proportions).

Means Table: All Respondents

Question		N	Mean	Variance
Q2	In 2007, how many times did you ride on public lands?	738	16.6	601.8
Q7	During a typical day riding on public lands, how many hours do you ride?	841	4.5	2.6
Q11f	Trailer length	557	21.4	40.9
Q17a	In 2007, how many times did you ride the 1st area?	758	9.8	216.0
Q17b	In 2007, how long was your average trip to the 1st area?	758	2.9	60.4
Q17c	In what size group did you most often ride the 1st area in 2007?	801	4.7	9.3
Q17d	In what size group did you most often ride the 1st area in 2007?	791	5.4	17.6
Q17g_a	Spent (1st area) on: Travel (gas, oil, etc.)	680	52.5	4,759.4
Q17g_b	Spent (1st area) on: Camping, motels, etc	682	24.5	7,344.0
Q17g_c	Spent (1st area) on: Food	681	35.0	4,330.5
Q17g_d	Spent (1st area) on: Other travel expenses	681	6.6	542.9
Q17g_e	Spent (1st area) on: Horse feed	681	11.7	584.1
Q17g_f	Spent (1st area) on: Other horse expenses	681	12.1	2,004.1
Q18a	In 2007, how many times did you ride the 2nd area?	535	5.0	54.5
Q18b	In 2007, how long was your average trip to the 2nd area?	537	2.2	6.8
Q18c	In what size group did you most often ride the 2nd area in 2007?	551	4.9	6.9
Q18d	In what size group did you most often ride the 2ndt area in 2007?	546	5.8	21.3
Q18g_a	Spent (2nd area) on: Travel (gas, oil, etc.)	445	60.6	5,351.9
Q18g_b	Spent (2nd area) on: Camping, motels, etc	469	25.3	7,508.8
Q18g_c	Spent (2nd area) on: Food	455	34.2	3,103.9
Q18g_d	Spent (2nd area) on: Other travel expenses	474	7.8	950.8
Q18g_e	Spent (2nd area) on: Horse feed	460	12.3	625.9
Q18g_f	Spent (2nd area) on: Other horse expenses	470	8.8	907.9

Cross-Tabulations

Q20 (In 2007, did you participate in a commercial trail ride(s) in Missouri?)	Q1 (In 2007, did you ride on public lands in Missouri?)		
Pct	Yes	No	Total
Yes	31.41	1.68	
No	68.59	98.32	
Total	799	1250	2049

Q21 (Member of a saddle club or other horse group)	Ride on public lands?		
Pct	Yes	No	Total
Yes	40.52	11.47	
No	59.48	88.53	
Total	812	1255	2067

Q22a (Information source: Books)	Ride on public lands?		
Pct	Yes	No	Total
Yes	43.19	33.70	
No	56.81	66.30	
Total	697	1009	1706

Q22b (Information source: Brochures)	Ride on public lands?		
Pct	Yes	No	Total
Yes	67.08	30.14	
No	32.92	69.86	
Total	726	982	1708

Q22c (Information source: Family\friends)	Ride on public lands?		
Pct	Yes	No	Total
Yes	94.38	59.23	
No	5.62	40.77	
Total	783	1084	1867

Q22d (Information source: Television)	Ride on public lands?		
Pct	Yes	No	Total
Yes	21.73	27.19	
No	78.27	72.81	
Total	681	971	1652

Q22e (Information source: Radio)	Ride on public lands?		
Pct	Yes	No	Total
Yes	12.41	10.05	
No	87.59	89.95	
Total	669	915	1584

Q22f (Information source: Missouri Conservationist magazine)	Ride on public lands?		
Pct	Yes	No	Total
Yes	43.71	30.05	
No	56.29	69.95	
Total	707	985	1692

Q22g (Information source: Other magazines)	Ride on public lands?		
Pct	Yes	No	Total
Yes	52.87	36.84	
No	47.13	63.16	
Total	696	999	1695

Q22h (Information source: MDC website)	Ride on public lands?		
Pct	Yes	No	Total
Yes	26.04	6.41	
No	73.96	93.59	
Total	676	920	1596

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test).

Cross-Tabulations: By Public-Land Use (Ride\Not Ride)

Q22i (Information source: Forest Service website)	Ride on public lands?		
Pct	Yes	No	Total
Yes	19.88	2.63	
No	80.12	97.37	
Total	674	911	1585

Q23b (Interested in attending: Trail closures)	Ride on public lands?		Total
Pct	Yes	No	
Yes	55.43	20.11	
No	44.57	79.89	
Total	691	1094	1785

Q22j (Information source: National Parks website)	Ride on public lands?		
Pct	Yes	No	Total
Yes	22.07	4.27	
No	77.93	95.73	
Total	675	914	1589

Q23c (Interested in attending: Trail maintenance)	Ride on public lands?		
Pct	Yes	No	Total
Yes	69.04	24.50	
No	30.96	75.50	
Total	730	1106	1836

Q22k (Information source: DNR website)	Ride on public lands?		
Pct	Yes	No	Total
Yes	19.28	4.06	
No	80.72	95.94	
Total	664	912	1576

Q23d (Interested in attending: Trail signage)	Ride on public lands?		
Pct	Yes	No	Total
Yes	66.05	20.86	
No	33.95	79.14	
Total	698	1064	1762

Q22l (Information source: Other internet)	Ride on public lands?		
Pct	Yes	No	Total
Yes	35.10	16.56	
No	64.90	83.44	
Total	661	942	1603

Q24 (Male\Female)	Ride on public lands?		
Pct	Yes	No	Total
Male	58.99	71.41	
Female	41.01	28.59	
Total	812	1273	2085

Q23a (Interested in attending: Trail building)	Ride on public lands?		
Pct	Yes	No	Total
Yes	62.80	24.09	
No	37.20	75.91	
Total	715	1129	1844

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test).

Cross-Tabulations: By Public-Land Use (Ride\Not Ride)

Q26 (Age)	Ride on public lands?		
Pct	Yes	No	Total
Under 20	0.97	0.61	
21 to 35	4.55	5.20	
36 to 50	31.03	25.85	
51 to 65	50.07	43.54	
Over 65	13.38	24.80	
Total	725	1153	1878
Frequency Missing = 318			

Q28 (Education)	Ride on public lands?		Total
Pct	Yes	No	
Grade school	1.97	6.09	
Some high school	2.96	4.83	
High school	27.46	31.01	
Trade/Technical School	11.21	7.04	
Some college	25.00	21.44	
College	17.49	15.43	
Graduate/Professional	13.92	14.16	
Total	812	1264	2076
Frequency Missing = 27			

Q27 (Occupation)	Ride on public lands?		
Pct	Yes	No	Total
Manufacturing	7.80	6.04	
Professional/Managerial	31.75	22.69	
Agricultural	11.64	21.92	
Services	8.86	8.02	
Student	0.79	0.52	
Homemaker	2.78	3.36	
Not employed	0.66	0.60	
Retired	24.07	27.44	
Other	11.64	9.40	
Total	756	1159	1915
Frequency Missing = 24			

Q29 (Income)	Ride on public lands?		
Pct	Yes	No	Total
Under $30,000	13.31	20.31	
$30,000 to $50,000	27.54	29.51	
$50,001 to $70,000	21.34	18.03	
$70,001 to $90,000	16.07	10.47	
$90,001 to $110,000	9.49	8.11	
$110,001 to $130,000	4.22	4.83	
Over $130,000	8.04	8.74	
Total	759	1098	1857
Frequency Missing = 80			

All results except those marked with an asterisk (*) are significant at the 0.05 level (chi-squared test).

Area Ratings

Area Name	Total Trips	Avg. Spent	Total Spent	Avg. Days	Avg. Hrs/ Day	Avg. Group Size	Avg. Distance Traveled
Angeline CA (MDC)	2,210.9	$584	$1,290,783	5.9	5.8	8.6	157.3
Apple Creek CA (MDC)	2,252.5	$129	$290,834	1.0	4.5	5.2	80.7
Atlanta (MDC)	23.6	$15	$354	1.0	3.0	9.0	
Audubon Trail - Mark Twain (USFS)	118.1	$40	$4,724		5.0	3.0	
Bar-K - Mark Twain (USFS)	334.4	$156	$52,104	2.7	12.3	11.3	
Barnes (P F) CA	141.7					3.0	
Bell Mountain Trail – Salem-Potosi (USFS)	417.3	$259	$108,124	2.2	4.9	6.6	74.7
Berry Bend - Truman Lake (COE)	1,327.7	$223	$296,290	2.5	5.2	6.2	
Berryman Trail - Salem-Potosi (USFS)	972.3	$70	$67,694	1.3	5.4	4.4	61.8
Bicentennial CA (MDC)	860.1	$54	$46,689	2.4	4.1	3.6	19.6
Big Buffalo Creek CA (MDC)	94.5	$7	$614	1.0	3.0	3.0	30.5
Big Piney Trail - Houston-Rolla (USFS)	8,801.2	$342	$3,007,892	4.2	5.4	6.0	114.7
Big Sugar Trail - Cuivre River State Park (DNR)	5,399.6	$79	$424,335	2.1	4.2	3.9	54.9
Blind Pony (MDC)	94.5	$40	$3,779	1.0	3.5	1.0	
Blue & Gray Park (Jackson County)	998.0	$53	$52,993	1.0	3.2	4.0	
Blue Ridge Trail - Doniphan-Eleven Point (USFS)	55.1	$102	$5,603	1.3	4.3	9.0	105.9
Bolivar Landing - Pomme de Terre Lake (COE)	1,076.6	$37	$39,654	1.1	5.3	5.6	
Bonanza CA (MDC)	320.9	$97	$30,962	3.0	4.7	8.1	30.4
Broadfoot Trail - Ozark NSR (NPS)	3,800.8	$531	$2,017,229	6.5	5.5	7.3	164.5
Brownfield-Falcon	11.8						
Brushy Creek Resort	200.8	$215	$43,218	2.5	6.8	11.6	
Buford Mountain CA	35.4			1.0	5.5	3.0	
Bull Shoals (COE)	1,771.6			1.0	2.0	7.5	
Bunch Hollow CA (MDC)	1,172.9	$187	$218,943	2.6	5.4	7.2	50.2
Busch Wildlife (MDC)	118.1	$100	$11,811	10.0	4.0	15.0	
Bushwhacker Lake CA (MDC)	230.3	$39	$8,867	1.0	4.3	3.0	88.0
Busiek SF & WA (MDC)	5,595.7	$110	$615,323	2.7	5.8	3.8	47.9
Caney Mountain CA (MDC)	35.4	$33	$1,152	1.0	6.0	5.3	
Caplinger Mills Park (MDC)	59.1	$150	$8,858	2.0	6.0	3.0	
Castor River CA (MDC)	1,953.9	$97	$188,776	2.6	4.9	7.0	32.9
Cedar Creek (USFS)	3,685.4	$140	$516,318	2.4	5.0	6.6	54.8
Charlie Heath Mem CA (MDC)	82.7	$75	$6,201	1.0	5.0	6.3	30.1
Chubb Trail - Castlewood State Park (DNR)	1,917.1	$104	$198,899	1.1	4.0	3.9	22.3
Cole Creek Trail – Houston-Rolla (USFS)	312.8	$39	$12,305	1.8	5.0	3.6	69.7
Compton Hollow CA (MDC)	4,084.2	$43	$174,260	1.2	4.0	3.7	22.5
Current River CA	915.3	$35	$32,036	1.0	6.3	5.3	
Daniel Boone CA (MDC)	468.2	$202	$94,423	2.0	3.5	4.2	37.8
Deer Ridge CA (MDC)	544.1	$63	$34,494	1.7	4.7	6.7	33.6
Devils Backbone Trail - Willow Springs (USFS)	3,314.8	$64	$212,928	1.7	5.4	4.9	52.9

Area Ratings

Area Name	Total Trips	Avg. Spent	Total Spent	Avg. Days	Avg. Hrs/ Day	Avg. Group Size	Avg. Distance Traveled
Dr. Edmund Babler State Park (DNR)	2,011.3	$47	$94,281	1.2	3.6	2.8	41.7
Flag Spring CA (MDC)	496.0	$43	$21,082	1.5	6.9	8.6	60.0
Forest 44 CA (MDC)	480.3	$80	$38,424	1.0	2.3	3.0	23.9
Fort Crowder CA (MDC)	2,084.3	$38	$78,564	5.8	4.1	3.4	24.2
Fuson (John Alva, MD) CA	59.1	$5	$295	10.0	12.0	3.0	
George Winter City Park	59.1			1.0	2.0	1.0	
Glade Top Trail (Douglas County)	484.2	$35	$16,948	2.3	6.7	12.0	
Goggins Mountain Trail - Johnson's Shut-Ins (DNR)	192.9						122.8
Golden Hills Resort	11.8			7.0	6.0	3.0	
Greensfelder County Park	1,404.9	$73	$102,257	1.0	3.4	3.5	
Ha Ha Tonka State Park	236.2			1.0	3.0	1.0	
Hamby Woods	49.1	$5	$245	1.0	2.0	1.0	
Harry S Truman State Park	165.3	$182	$30,093	2.5	7.0	3.0	
Harry Truman Lake (COE)	70.9	$255	$18,070	1.0	7.0	7.5	
Hazel Creek CA	106.3	$130	$13,818	3.0	5.0	7.5	
Henry Sever Lake CA (MDC)	183.1	$40	$7,323	1.0	4.8	3.0	25.9
Hercules Glade Trail - Ava (USFS)	3,684.6	$141	$520,987	2.1	6.0	7.7	59.5
Hickory Ridge Trail - St. Joe State Park (DNR)	2,797.3	$89	$248,822	1.5	4.5	5.8	22.3
Hidden Hollow CA	23.6			1.0	2.0	3.0	
Holden City Lake	55.1						
Holly Ridge CA (MDC)	518.2	$48	$25,083	1.0	4.2	6.3	30.7
Honey Creek CA (MDC)	2,957.4	$107	$316,329	2.1	4.6	5.3	35.3
Huckleberry Ridge CA (MDC)	1,322.8	$217	$286,537	2.3	4.8	5.5	101.0
Hulston Mill County Park	1,215.9	$110	$133,686	2.5	5.5	5.3	
Huzzah CA	23.6	$115	$2,716	2.0	4.0	15.0	
Irish Wilderness	19.7						
J. Avery Ruble Memorial Trail - Meramec CA (MDC)	1,127.2	$58	$64,813	3.3	4.3	4.4	26.8
James A. Reed Memorial WA (MDC)	1,121.9	$30	$33,896	2.2	4.0	3.8	26.5
Jerktail Trail - Ozark NSR (NPS)	934.1	$514	$479,992	5.1	5.6	7.5	163.7
Joanna Trail - Mark Twain Lake (COE)	1,186.0	$109	$129,598	1.5	5.0	7.2	41.6
John J. Audubon Trail – Fredricktown (USFS)	94.5	$270	$25,511	2.5	6.0	3.0	249.6
Kaintuck Trail - Houston-Rolla (USFS)	862.2	$52	$44,545	1.0	5.1	6.0	96.2
Katy Trail State Park (DNR)	1,662.1	$76	$126,180	1.0	4.5	4.8	62.5
Lake of the Ozarks State Park	206.7						
Lake Wappappello State Park (DNR)	347.5	$250	$86,882	2.3	4.0	5.3	47.7
Landahl County Park	23.6	$10	$236	1.0	6.0	3.0	
Lead Mine CA (MDC)	3,872.7	$117	$454,461	1.9	4.8	5.0	59.9
Lick Creek - Mark Twain Lake (COE)	352.3	$24	$8,456	1.0	5.5	5.3	72.9
Little Indian Creek CA (MDC)	3,450.2	$48	$167,164	2.7	4.1	4.3	24.9
Little Lost Creek CA (MDC)	1,547.7	$248	$384,349	2.5	5.2	4.5	57.3
Long Ridge CA (MDC)	1,409.4	$36	$50,895	1.4	4.2	3.2	22.7
Longview Trail - Longview Lake (COE)	1,736.8	$58	$100,156	1.3	3.7	6.6	45.8

Area Ratings

Area Name	Total Trips	Avg. Spent	Total Spent	Avg. Days	Avg. Hrs/ Day	Avg. Group Size	Avg. Distance Traveled
Mark Twain NF (USFS)	1,051.1	$37	$38,892	2.0	4.5	11.0	
Mark Twain State Park (DNR)	23.6	$165	$3,897	2.0	4.0	21.0	
McAdoo Trail - Knob Noster State Park (DNR)	4,228.2	$98	$413,890	1.6	4.4	5.0	33.6
McCormack-Greer Trail - Doniphan-Eleven Pt. (USFS)	984.1	$74	$72,662	1.5	5.3	6.5	17.3
Meramec State Park	458.6	$34	$15,594	1.0	4.3	4.5	
Mill Creek	47.2	$39	$1,831	2.0	4.8	11.3	
Monkey Mountain CA	53.1						
Monkey Mountain County Park	604.3	$18	$10,575	1.0	3.5	3.0	
Moreau Creek Trail - Scrivner Road CA (MDC)	1,353.8	$273	$369,585	2.2	5.2	4.2	38.5
Mudlick Trail - Sam A. Baker State Park (DNR)	853.9	$131	$112,215	4.4	5.7	4.6	66.4
Nodaway Valley CA (MDC)	212.6				4.0	3.0	
Orleans Trail - Stockton Lake (COE)	273.6	$90	$24,625	1.8	4.8	6.0	48.3
Ozark National Scenic Riverway	511.8	$218	$111,314	2.5	4.8	3.0	
Ozark Trail	131.9	$60	$7,913	2.0	5.0	5.3	
Ozark Trail (Between the Rivers) – Doniphan (USFS)	155.5	$177	$27,473	1.3	3.3	4.5	140.6
Ozark Trail (Blair Creek) - Salem-Potosi (USFS)	560.5	$132	$73,700	1.4	5.5	6.6	90.2
Ozark Trail (Eleven Point) - Doniphan-Eleven (USFS)	383.7	$109	$41,824	1.6	5.9	6.0	57.3
Ozark Trail (Karkaghne) - Salem-Potosi (USFS)	309.0	$560	$173,064	3.0	4.5	4.3	65.2
Ozark Trail (Lake Wappapello) (COE)	1,046.7	$43	$45,268	1.6	5.9	6.0	31.4
Ozark Trail (Marble Creek) - Fredericktown (USFS)	519.7	$225	$116,924	2.3	5.0	8.5	155.3
Ozark Trail (Trace Creek) - Salem-Potosi (USFS)	620.1	$205	$127,111	3.0	5.1	3.0	111.9
Ozark Trail (Victory) - Poplar Bluff (USFS)	629.0	$88	$55,563	4.0	5.5	5.3	44.5
Paddy Creek Wilderness	196.8	$30	$5,905	1.0	6.7	3.0	
Pee-Wah Trail - Trail of Tears State Park (DNR)	1,009.0	$164	$165,257	1.1	4.4	5.9	59.3
Pike Run Trail - St. Francois State Park (DNR)	501.5	$52	$26,017	1.3	4.1	7.4	22.6
Piney Creek Trail - Cassville (USFS)	1,658.0	$89	$148,016	1.8	6.3	5.3	44.4
Pleasant Hope CA (MDC)	1,787.3	$38	$67,717	1.0	3.5	3.5	19.7
Pmme de Terre State Park	124.0			1.0	2.0	3.0	
Poosey CA (MDC)	3,095.9	$134	$414,622	1.9	4.8	6.3	47.1
Prairie Home CA (MDC)	1,068.6	$90	$96,172	1.1	4.5	4.3	31.2
Queeny County Park	141.7	$63	$8,858	1.3	2.8	3.0	
Rebel's Cove CA	129.9	$80	$10,393	11.0	6.0		
Ridge Runner Trail - Willow Springs (USFS)	1,199.5	$227	$272,281	1.7	5.5	5.8	45.8
Riverbreaks CA (MDC)	23.6	$25	$591	1.0	6.0	1.0	17.8
Robert E. Talbot CA (MDC)	4,361.2	$51	$224,572	2.0	4.3	3.6	31.6
Roby Lake (USFS)	118.1	$0	$0	1.0	2.0	3.0	
Rock Bridge Memorial State Park (DNR)	1,418.6	$90	$127,676	1.5	4.2	5.8	33.9
Rockbridge State Park	5.9						
Rockwoods Range (MDC)	1,299.2	$283	$367,012	1.6	4.6	4.3	28.3
Rudolf Bennitt CA (MDC)	4,023.7	$159	$638,503	3.2	5.1	8.1	38.3
Shawnee Trail - Ozark NSR (NPS)	5,826.5	$456	$2,656,853	6.2	5.7	7.3	166.6
Show Me Lake	70.9	$43	$3,047	2.0	2.5	15.0	

Area Ratings

Area Name	Total Trips	Avg. Spent	Total Spent	Avg. Days	Avg. Hrs/ Day	Avg. Group Size	Avg. Distance Traveled
Smithville Lake (COE)	3,825.9	$99	$380,069	1.7	4.1	5.4	33.8
Stockton Lake ML (MDC)	2,554.5	$75	$191,433	1.3	4.7	7.0	45.0
Sugar Creek CA (MDC)	1,547.2	$60	$92,503	1.2	3.7	4.8	34.8
Swan Creek Trail - Ava (USFS)	3,776.0	$165	$622,532	3.0	5.3	6.6	71.3
Tarkio Prairie CA	11.8	$40	$472	1.0	3.0	3.0	
Thompson River Trail - Crowder State Park (DNR)	708.6	$50	$35,609	1.6	3.8	2.3	50.1
Three Creeks CA (MDC)	2,830.5	$63	$178,976	1.5	3.6	5.5	36.8
Trail of the Four Winds - Lake of the Ozarks	2,929.9	$79	$232,614	2.0	5.1	5.1	47.6
Two Rivers Trail - Ozark NSR (NPS)	2,550.0	$349	$891,173	4.3	5.9	7.9	195.3
Union Ridge CA	29.5			1.0	2.5	3.0	
University Forest CA (MDC)	682.9	$30	$20,487	1.0	4.0	3.0	37.3
USFS (General)	47.2	$50	$2,362	4.5	5.5	2.0	
Victory Trail – Poplar Bluff (USFS)	602.3	$229	$137,694	1.2	4.4	3.0	47.1
Wappapello Reservoir (MDC)	456.7	$53	$23,975	1.0	5.0	4.3	38.8
Watkins Wollen Mill State Park (DNR)	620.1	$33	$20,550	1.1	3.4	3.4	20.1
Whites Creek Trail - Doniphan-Eleven Point (USFS)	560.0	$114	$63,845	1.4	5.4	7.5	100.7
Wilson's Creek National Battlefield	661.4	$34	$22,735	1.0	3.3	3.0	
Wire Road CA (MDC)	1,228.6	$36	$44,108	1.0	3.6	3.3	39.7
Other	16,521.7	$160	$2,644,750	6.2	4.8	5.9	

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Area Ratings

Area	Pct. Camp	Rate										
		Area signs	Camping	Crowding	Maps	Parking	Public behavior	Scenery	Trail condition	Trail length	Trail signs	Trail width
Angeline CA (MDC)	75%	Good\Fair	Good	Good\Fair	Good\Fair	Good	Good	Good	Good	Good\Excel	Good\Fair	Good\Fair
Apple Creek CA (MDC)	0%	Good\Fair		Good\Fair	Good\Fair	Good\Fair	Good	Good	Good	Good\Fair	Good\Fair	Good\Fair
Bar-K - Mark Twain (USFS)	83%	Good\Fair	Good\Fair			Good	Good\Fair	Excel\Good	Good\Fair	Excel\Good	Good\Fair	Good-Fair
Bell Mountain Trail – Salem-Potosi (USFS)	50%	Good\Fair	Fair	Good\Fair	Fair\Good	Fair\Good	Good	Good	Good\Fair	Good	Fair\Good	Good\Fair
Berry Bend - Truman Lake (COE)	83%	Good\Fair	Good	Good\Fair	Good\Fair	Good	Good\Excel	Good\Excel	Good\Fair	Good	Good\Fair	Good\Fair
Berryman Trail - Salem-Potosi (USFS)	10%	Fair\Good		Good	Good\Fair	Good	Good	Good\Excel	Good	Excel\Good	Fair	Good
Bicentennial CA (MDC)	13%	Fair		Good\Fair		Good	Good\Fair	Good	Fair\Good	Good\Fair	Fair	Good\Fair
Big Piney Trail - Houston-Rolla (USFS)	76%	Fair	Good	Good	Fair	Good\Fair	Good	Excel\Good	Good	Good\Excel	Fair	Good
Big Sugar Trail - Cuivre River State Park (DNR)	32%	Good	Good	Good\Fair	Good	Good	Good	Excel\Good	Good\Excel	Good\Excel	Good	Good
Blue & Gray Park (Jackson County)	0%	Fair\Poor	Fair	Good	Poor\Fair	Good\Fair	Good\Excel	Good\Excel	Good\Fair	Good	Fair\Poor	Good
Bolivar Landing - Pomme de Terre Lake (COE)	14%	Fair					Excel\Good	Excel\Good	Good	Good	Fair	Good
Broadfoot Trail - Ozark NSR (NPS)	67%	Fair\Good	Good\Fair	Good\Fair	Good\Fair	Good	Good	Excel\Good	Good	Good\Excel	Good\Fair	Good
Bunch Hollow CA (MDC)	33%	Good		Good	Good\Fair	Good\Fair	Excel\Good	Excel\Good	Good	Good\Fair	Good\Fair	Good
Busiek SF & WA (MDC)	18%	Good	Good\Fair	Good\Fair	Good\Fair	Good	Good	Good\Excel	Good	Good	Good\Fair	Good
Castor River CA (MDC)	38%	Good\Fair	Good	Good\Fair	Fair\Good	Good	Good\Excel	Good\Excel	Good	Good	Good\Fair	Good
Cedar Creek (USFS)	39%	Fair	Good	Good	Fair	Fair	Good\Excel	Excel\Good	Good	Good\Excel	Fair\Good	Good\Excel
Compton Hollow CA (MDC)	8%	Fair\Good	Good\Fair	Good	Fair\Good	Good\Fair	Good	Good	Good	Good	Fair\Good	Good
Daniel Boone CA (MDC)	33%								Good\Fair	Good\Fair		Good
Deer Ridge CA (MDC)	36%	Good	Good\Fair	Good	Fair\Good	Good	Good	Excel\Good	Good	Good	Fair\Good	Good\Fair
Devils Backbone Trail - Willow Springs (USFS)	14%	Fair\Good	Fair	Good	Fair\Good	Fair\Good	Good	Excel\Good	Good	Good\Excel	Fair\Good	Good
Dr. Edmund Babler State Park (DNR)	20%	Good\Excel		Good	Good	Good\Fair	Good	Excel\Good	Good\Excel	Good	Good	Good\Excel
Fort Crowder CA (MDC)	7%	Good\Fair		Good	Good\Fair	Good\Excel	Good	Good	Good	Good	Good\Fair	Good\Excel
Greensfelder County Park	22%	Good	Good	Good\Fair	Good\Fair	Good	Good\Excel	Excel\Good	Good\Excel	Good\Excel	Good	Good\Excel
Hercules Glade Trail - Ava (USFS)	26%	Fair\Good	Fair\Good	Good\Fair	Fair\Good	Good\Fair	Good	Excel\Good	Fair\Good	Good\Excel	Fair	Good\Fair
Hickory Ridge Trail - St. Joe State Park (DNR)	9%	Fair\Good	Good	Fair\Good	Fair\Good	Good	Good\Fair	Good	Good\Fair	Good\Fair	Fair\Good	Good\Fair
Honey Creek CA (MDC)	35%	Good	Good\Fair	Good	Good	Good	Excel\Good	Excel\Good	Excel\Good	Good\Excel	Good	Good\Excel
Huckleberry Ridge CA (MDC)	53%	Fair\Good	Fair	Good	Fair	Good\Fair	Good\Excel	Excel\Good	Good	Good\Excel	Fair	Good\Excel
Hulston Mill County Park	80%	Good\Fair	Good\Excel	Good\Fair	Fair\Good	Fair\Good	Good	Excel\Good	Good	Good\Fair	Fair\Good	Good
J. Avery Ruble Memorial Trail - Meramec CA (MDC)	13%	Good\Excel		Good	Good	Good\Excel	Excel\Good	Excel\Good	Good\Excel	Good\Excel	Fair\Good	Good
James A. Reed Memorial WA (MDC)	0%	Fair\Good		Good	Fair	Good	Good\Excel	Good\Fair	Good	Fair\Good	Fair	Good

Area Ratings

Area	Pct. Camp	Rate										
		Area signs	Camping	Crowding	Maps	Parking	Public behavior	Scenery	Trail condition	Trail length	Trail signs	Trail width
Jerktail Trail - Ozark NSR (NPS)	67%	Good\Fair	Good	Good\Fair	Good	Good\Excel	Good	Excel\Good	Good\Excel	Good\Excel	Good\Fair	Good
Joanna Trail - Mark Twain Lake (COE)	38%	Good	Good	Good	Good	Good	Good\Excel	Excel\Good	Good	Good\Excel	Good	Good
Katy Trail State Park (DNR)	6%	Excel\Good	Poor\Fair	Good\Fair	Good\Excel	Good	Good\Fair	Good	Excellent	Excel\Good	Excel\Good	Excellent
Lead Mine CA (MDC)	54%	Fair\Good	Good	Good	Fair\Good	Good	Good	Good\Excel	Good	Good	Fair\Good	Good
Little Indian Creek CA (MDC)	0%	Fair		Fair\Good	Fair\Poor	Fair	Good	Good	Good	Good\Fair	Fair\Good	Good
Little Lost Creek CA (MDC)	33%								Good	Good	Good\Fair	Good
Long Ridge CA (MDC)	0%	Good		Good	Fair	Good\Excel	Good\Excel	Good	Excel\Good	Good	Fair\Good	Excel\Good
Longview Trail - Longview Lake (COE)	6%	Fair	Fair	Good\Fair	Fair\Poor	Fair\Good	Good	Good	Good\Fair	Good\Fair	Fair	Good\Fair
McAdoo Trail - Knob Noster State Park (DNR)	16%	Good\Fair	Good\Fair	Good\Fair	Fair	Good	Good	Good	Good	Good	Fair\Good	Good
McCormack-Greer Trail - Doniphan-Eleven Pt. (USFS)	33%	Fair\Good				Good\Fair		Excellent	Good	Good\Excel		Good
Moreau Creek Trail - Scrivner Road CA (MDC)	33%	Good		Good	Good	Good	Good\Excel	Good	Good\Excel	Good	Good\Excel	Good
Mudlick Trail - Sam A. Baker State Park (DNR)	57%	Good\Fair	Good	Fair	Good\Fair	Good\Fair	Good	Good\Excel	Fair	Good\Fair	Fair\Good	Good\Fair
Other	28%	Fair	Good\Fair	Good\Fair	Fair	Good\Fair	Good	Good\Excel	Good\Fair	Good	Fair\Good	Good
Ozark Trail (Eleven Point) - Doniphan-Eleven (USFS)	25%	Fair			Fair\Good	Good	Good	Excellent	Good\Fair	Good\Excel	Fair	Good
Pee-Wah Trail - Trail of Tears State Park (DNR)	11%	Fair\Good		Fair\Good	Good\Fair	Fair\Poor	Good\Excel	Good\Excel	Good\Fair	Good\Fair	Good\Fair	Good\Fair
Pike Run Trail - St. Francois State Park (DNR)	0%	Good\Fair		Good	Fair\Poor	Fair\Poor	Good	Excel\Good	Good	Good	Fair\Good	Good
Piney Creek Trail - Cassville (USFS)	43%	Fair	Fair\Good	Good\Fair	Fair	Good\Fair	Good	Excel\Good	Good\Fair	Good	Fair\Poor	Good
Pleasant Hope CA (MDC)	9%	Good\Fair		Good\Fair	Good\Fair	Good\Fair	Good	Good	Good	Good\Fair	Good	Good
Poosey CA (MDC)	41%	Good\Fair	Good	Good	Good	Good	Good\Excel	Good\Excel	Good	Good	Good	Good
Prairie Home CA (MDC)	29%	Fair\Poor	Fair\Poor	Good\Fair		Fair		Good	Good\Fair	Good	Poor\Fair	Good\Fair
Ridge Runner Trail - Willow Springs (USFS)	25%	Fair		Good\Fair	Fair\Good	Good\Fair	Good	Excel\Good	Good\Excel	Good	Fair	Good
Robert E. Talbot CA (MDC)	4%	Fair\Good	Fair	Good	Fair	Good\Fair	Good\Excel	Good	Good\Fair	Good	Fair	Good
Rock Bridge Memorial State Park (DNR)	14%	Good		Good	Good	Fair\Poor	Good	Excel\Good	Excel\Good	Good\Excel	Good\Fair	Good
Rockwoods Range (MDC)	29%	Good		Good\Fair	Good	Good	Good	Good	Good	Good	Good\Fair	Good
Rudolf Bennitt CA (MDC)	64%	Good\Fair	Good\Fair	Good\Fair	Fair\Good	Good	Good	Good\Excel	Good	Good	Good\Fair	Good
Shawnee Trail - Ozark NSR (NPS)	64%	Good\Fair	Good	Good\Fair	Good\Fair	Good\Excel	Good	Excel\Good	Good	Good\Excel	Good	Good\Excel
Smithville Lake (COE)	24%	Good\Fair	Good\Fair	Good\Fair	Good\Fair	Good	Good	Good	Good	Good	Good\Fair	Good
Stockton Lake ML (MDC)	43%	Fair\Good	Good	Good\Fair	Fair	Good	Good	Good\Excel	Good\Fair	Good	Fair\Good	Good\Fair
Sugar Creek CA (MDC)	12%	Good	Fair\Good	Good\Fair	Good\Fair	Good\Fair	Good	Good	Good	Good	Good\Fair	Good
Swan Creek Trail - Ava	50%	Fair\Good	Good	Good\Fair	Fair	Good	Good	Excel\Good	Good	Good\Excel	Fair\Good	Good

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Area Ratings

Area	Pct. Camp	Rate										
		Area signs	Camping	Crowding	Maps	Parking	Public behavior	Scenery	Trail condition	Trail length	Trail signs	Trail width
(USFS)												
Thompson River Trail - Crowder State Park (DNR)	17%							Excel\Good	Excel\Good	Good	Good	
Three Creeks CA (MDC)	0%	Good\Fair		Good\Fair	Fair\Good	Good\Excel	Good\Excel	Excel\Good	Good\Fair	Good	Good\Fair	Good
Trail of the Four Winds - Lake of the Ozarks	7%	Good\Fair		Fair\Good	Good\Fair	Fair	Good\Excel	Excel\Good	Good\Excel	Good\Excel	Fair\Good	Good\Excel
Two Rivers Trail - Ozark NSR (NPS)	59%	Good	Good	Good\Fair	Good\Fair	Good	Good	Excel\Good	Good\Excel	Good\Excel	Good	Good\Excel
Watkins Wollen Mill State Park (DNR)	0%	Fair\Good		Good	Poor\Fair	Good	Good	Good	Good\Fair	Fair	Fair	Fair\Good
Wilson's Creek National Battlefield	0%	Good\Excel		Good\Fair	Good	Good\Excel	Good	Good\Excel	Excel\Good	Excel\Good	Good	Excel\Good
Wire Road CA (MDC)	0%	Good\Fair		Good	Good\Fair	Good\Fair	Good	Good	Good	Good\Fair	Good\Fair	Good

Area Ratings

	Top 5 Areas
Area signs	Katy Trail State Park (DNR), J. Avery Ruble Memorial Trail - Meramec CA (MDC), Wilson's Creek National Battlefield, Dr. Edmund Babler State Park (DNR), Moreau Creek Trail - Scrivner Road CA (MDC)
Camping	Hulston Mill County Park, Jerktail Trail - Ozark NSR (NPS), Greensfelder County Park, Berry Bend - Truman Lake (COE), Angeline CA (MDC)
Crowding	Fort Crowder CA (MDC), Moreau Creek Trail - Scrivner Road CA (MDC), Huckleberry Ridge CA (MDC), Big Piney Trail - Houston-Rolla (USFS), Devils Backbone Trail - Willow Springs (USFS)
Maps	Katy Trail State Park (DNR), Big Sugar Trail - Cuivre River State Park (DNR), Honey Creek CA (MDC), Rock Bridge Memorial State Park (DNR), Moreau Creek Trail - Scrivner Road CA (MDC)
Parking	J. Avery Ruble Memorial Trail - Meramec CA (MDC), Wilson's Creek National Battlefield, Long Ridge CA (MDC), Jerktail Trail - Ozark NSR (NPS), Shawnee Trail - Ozark NSR (NPS)
Public behavior	J. Avery Ruble Memorial Trail - Meramec CA (MDC), Honey Creek CA (MDC), Bolivar Landing - Pomme de Terre Lake (COE), Bunch Hollow CA (MDC), Long Ridge CA (MDC)
Scenery	McCormack-Greer Trail - Doniphan-Eleven Pt. (USFS), Ozark Trail (Eleven Point) - Doniphan-Eleven Point (USFS), Hercules Glade Trail - Ava (USFS), Broadfoot Trail - Ozark NSR (NPS), Three Creeks CA (MDC)
Trail condition	Katy Trail State Park (DNR), Rock Bridge Memorial State Park (DNR), Honey Creek CA (MDC), Wilson's Creek National Battlefield, Long Ridge CA (MDC)
Trail length	Bar-K - Mark Twain (USFS), Katy Trail State Park (DNR), Berryman Trail - Salem-Potosi (USFS), Wilson's Creek National Battlefield, Cedar Creek (USFS)
Trail signs	Katy Trail State Park (DNR), Moreau Creek Trail - Scrivner Road CA (MDC), Honey Creek CA (MDC), Greensfelder County Park, Thompson River Trail - Crowder State Park (DNR)
Trail width	Katy Trail State Park (DNR), Long Ridge CA (MDC), Wilson's Creek National Battlefield, Honey Creek CA (MDC), Greensfelder County Park

	Bottom 5 Areas
Area signs	Ridge Runner Trail - Willow Springs (USFS), Big Piney Trail - Houston-Rolla (USFS), Bolivar Landing - Pomme de Terre Lake (COE), Prairie Home CA (MDC), Blue & Gray Park (Jackson County)
Camping	Robert E. Talbot CA (MDC), Longview Trail - Longview Lake (COE), Blue & Gray Park (Jackson County), Prairie Home CA (MDC), Katy Trail State Park (DNR)
Crowding	Pee-Wah Trail - Trail of Tears State Park (DNR), Hickory Ridge Trail - St. Joe State Park (DNR), Little Indian Creek CA (MDC), Trail of the Four Winds - Lake of the Ozarks, Mudlick Trail - Sam A. Baker State Park (DNR)
Maps	Pike Run Trail - St. Francois State Park (DNR), Longview Trail - Longview Lake (COE), Little Indian Creek CA (MDC), Watkins Wollen Mill State Park (DNR), Blue & Gray Park (Jackson County)

Area Ratings

	Bottom 5 Areas
Parking	Little Indian Creek CA (MDC), Trail of the Four Winds - Lake of the Ozarks, Rock Bridge Memorial State Park (DNR), Pee-Wah Trail - Trail of Tears State Park (DNR), Pike Run Trail - St. Francois State Park (DNR)
Public behavior	Rockwoods Range (MDC), Bicentennial CA (MDC), Katy Trail State Park (DNR), Hickory Ridge Trail - St. Joe State Park (DNR), Bar-K - Mark Twain (USFS)
Scenery	Katy Trail State Park (DNR), Bell Mountain Trail – Salem-Potosi (USFS), Moreau Creek Trail - Scrivner Road CA (MDC), Longview Trail - Longview Lake (COE), James A. Reed Memorial WA (MDC)
Trail condition	Blue & Gray Park (Jackson County), Prairie Home CA (MDC), Hercules Glade Trail - Ava (USFS), Bicentennial CA (MDC), Mudlick Trail - Sam A. Baker State Park (DNR)
Trail length	Bunch Hollow CA (MDC), Apple Creek CA (MDC), Wire Road CA (MDC), James A. Reed Memorial WA (MDC), Watkins Wollen Mill State Park (DNR)
Trail signs	Ridge Runner Trail - Willow Springs (USFS), Longview Trail - Longview Lake (COE), Piney Creek Trail - Cassville (USFS), Blue & Gray Park (Jackson County), Prairie Home CA (MDC)
Trail width	Hercules Glade Trail - Ava (USFS), Bicentennial CA (MDC), Mudlick Trail - Sam A. Baker State Park (DNR), Longview Trail - Longview Lake (COE), Watkins Wollen Mill State Park (DNR)

Survey Text

The Missouri Department of Conservation is conducting a survey of Missouri's horseback riders. The Missouri Department of Conservation, the Missouri Department of Natural Resources, the National Park Service and the United States Forest Service all manage public lands in Missouri. Many of these public lands allow horseback riding and have an extensive network of trails. Your opinions will help us improve our management and trails. **This survey is for research that will help us provide better recreational opportunities. It is NOT designed to sell you products or seek donations.**

Please take a few minutes to tell us about your opinions. Please remember the following:

• Your participation is voluntary and there are no right or wrong answers. Feel free to express your opinions and to base your answers on your own experiences.

• Your answers remain strictly confidential. We will use this information to help design our programs. Your name will never be included in any report.

• After you fill in the survey, please seal it closed and mail it back to us. You **do not** have to provide postage.

If you want to receive the results of this survey or want further information on Missouri's public lands, please contact us by phone at (573) 882-9909, ext. 3308, or by e-mail at Horse.Survey@mdc.mo.gov

Thank you for your time and cooperation.

1 **In 2007, did you ride on public lands in Missouri? Public lands include areas such as State, City, County and National Parks, Forests and Conservation Areas. Remember that many organized trail rides include public lands. (Check one box.)**

    Yes ....

    No ....   **➔ If "No", skip to Question 20 on page 17.**

    Don't know...........................

✍ **The following questions ask you about your rides on <u>public lands</u> in Missouri in 2007.**

2 **In 2007, how many times did you ride on public lands?** _____

3 **How often do you typically ride on public lands during each season? (Check one box for each season.)**

	<u>Always</u> ▼	Most of <u>the Time</u> ▼	<u>Sometimes</u> ▼	<u>Never</u> ▼
Winter	....	....	....
Spring.......................	....	....	....
Summer....................	....	....	....
Fall...........................	....	....	....

4 **Do you typically ride on public lands on weekdays or weekends? (Check one box.)**

    Only weekdays ....

    Mostly weekdays..............................

    Weekdays and weekends equally ......

    Mostly weekends ....

    Only weekends ....

5 **During what time of day do you typically ride on public lands the most? (Check one box.)**

    Only morning rides...........................

    Mostly morning rides........................

    Mornings and afternoons equally ......

    Mostly afternoon rides......................

    Only afternoon rides ....

    All day rides.....................................

6 **In what size group do you most often ride on public lands? (Check one box.)**

Alone...................................

Group of 2-4.........................

Group of 5-10.......................

Group of 11 - 19 ....

Group of 20 or more.............

7 **During a typical day riding on public lands, how many hours do you ride?** _____ **(Please fill in the number.)**

8 **Are most of your rides on public lands day or overnight trips? (Check one box.)**

Only day trips........................   ➔ If "Only day trips", skip to Question **11**

Mostly day trips....................

Day and overnight equally....

Mostly overnight trips...........

Only overnight trips..............

9 **If some of your rides on public lands are overnight trips, how often do you: (Check one box for each line.)**

	Always	**Most of the Time**	**Sometimes**	**Never**
	▼	▼	▼	▼
Camp on public land	....	....	....
Camp at a private campground	....	....	....
Stay at a motel\hotel	....	....	....
Stay at a commercial trail ride or stable	....	....	....
Stay at a friend or at a family member's home	....	....	....

Other   _____ Please specify)

10 **If some of your rides on public lands are overnight trips, do you stable your horse(s): (Check one box for each line.)**

	Yes	**No**
	▼	▼
With you at your campsite	....
At a commercial stable	....
With a friend or family member's horses	....

Other   _____ (Please specify)

11 **When you travel with your horse to ride on public lands, what vehicle(s) do you use? (Check one box for each line.)**

	<u>Yes</u> ▼	<u>No</u> ▼
Car		
Truck		
SUV		
Motor home		
Trailer		

↳ If "Yes", specify trailer length _____
↳ Does the trailer have living quarters?
Yes ....
No......

12 **When selecting a public area and trail(s) to ride on, how important or unimportant are each of the following to you in (Check one box for each item.)**

	Very <u>Important</u> ▼	Somewhat <u>Important</u> ▼	Not at all <u>Important</u> ▼
Distance to area			
Number\length of trails on area			
Condition of trails on area			
Clarity of signage of the area			
Trail width			
Familiarity with area			
New place to ride			
Cost of trip			
Amount of time available for trip			
Number of riders expected at the area			
Availability of maps and information			
Availability of camping			
Availability of parking at trailheads			
Availability of toilets			
Availability of water for people			
Availability of water for horses			
Availability of hitching posts			

13 **Do you think there should be a limit on the number of riders allowed to ride in a group on public land? (Check one box.)**

Yes ....
No .... ➔ **If "No", skip to Question** **15**
Don't know/no opinion.........

14 **What do you think the group size limit should be? (Check one box.)**

      5 riders or fewer ....

      10 riders or fewer.................

      15 riders or fewer.................

      20 riders or fewer.................

      Don't know/no opinion.........

      Other _____ (Please specify)

15 **In your opinion, what is ideal trail width? (Check one box.)**

      Single horse wide ....

      Wide enough for 2 horses .....

      Wider than 2 horses..............

      Don't know/no opinion.........

16 **To what extent do you agree or disagree with the following statements about riding horses on public lands in Missouri? (Check one box for each item.)**

	Strongly Agree ▼	Somewhat Agree ▼	Neutral ▼	Somewhat Disagree ▼	Strongly Disagree ▼
There are too many trails.....	....	....	....	....	
Trails are in good shape.......	....	....	....	....	
Riders obey trail rules	....	....	....	....	
Mountain bikers cause problems for horses..........	....	....	....	....	
Trails should be maintained by riders.........	....	....	....	....	
Trails should be closed during deer hunting seasons...........................	....	....	....	....	
Trails should be closed during turkey hunting seasons...........................	....	....	....	....	
Trails should be closed when wet........................	....	....	....	....	
Hikers cause problems for horses	....	....	....	....	
Trails should be closed for scheduled maintenance.....	....	....	....	....	
ATVs cause problems for horses	....	....	....	....	
More trails should be managed for multiple non-motorized use	....	....	....	....	
I would be willing to volunteer to place\maintain trail signs........................	....	....	....	....	
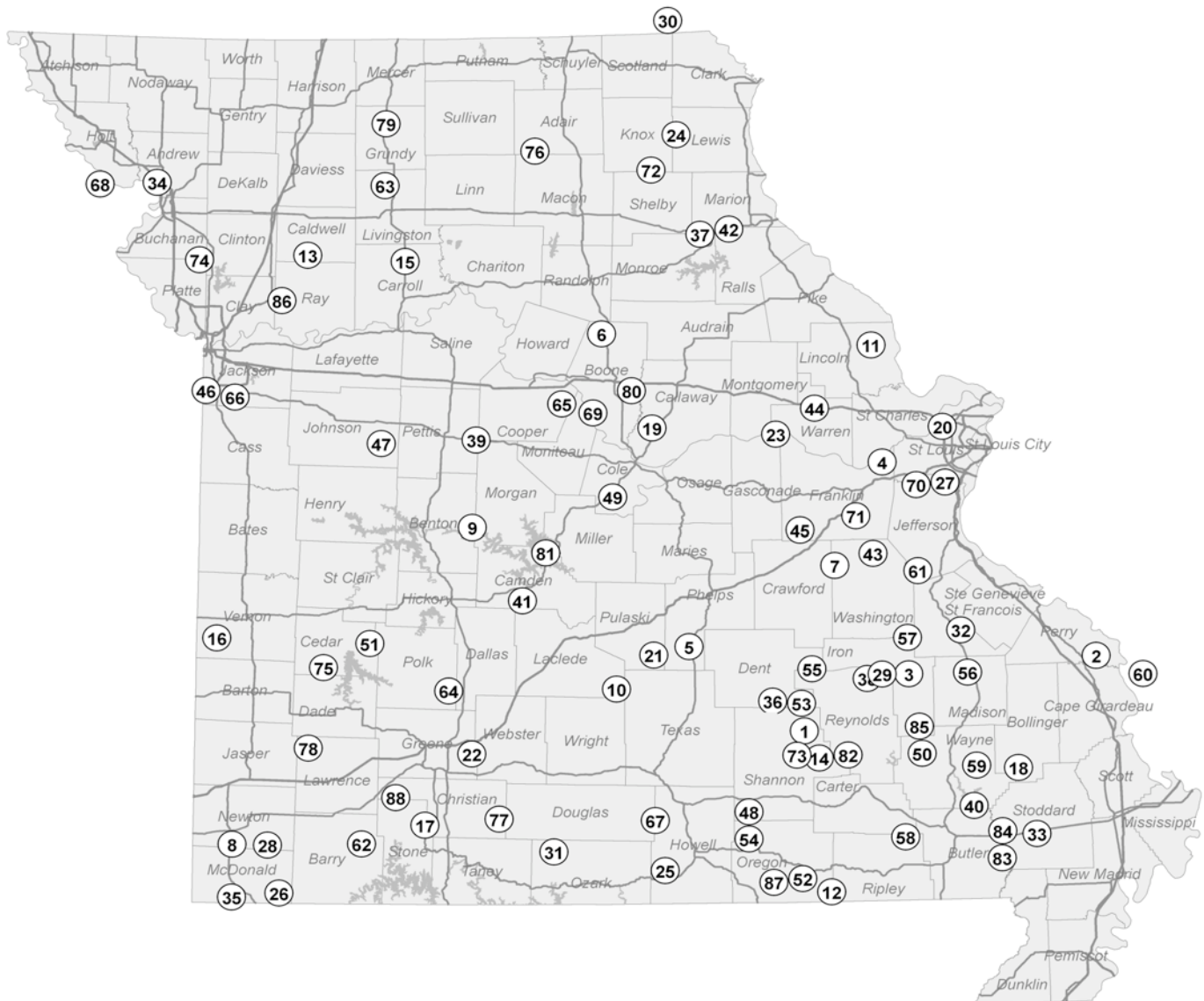
To answer Questions 17, 18 and 19 on the following pages, please refer to the map on page 6 [*survey page numbering*] and the list below. List the public lands, areas and trails which you rode in 2007, then tell us a little about your experiences at each place.

1 - Angeline CA (MDC)
2 - Apple Creek CA (MDC)
3 - John J. Audubon Trail – Fredricktown (USFS)
4 - Dr. Edmund Babler State Park (DNR)
5 - Bell Mountain Trail - Houston-Rolla (USFS)
6 - Rudolf Bennitt CA (MDC)
7 - Berryman Trail - Salem-Potosi (USFS)
8 - Bicentennial CA (MDC)
9 - Big Buffalo Creek CA (MDC)
10 - Big Piney Trail - Houston-Rolla (USFS)
11 - Big Sugar Trail - Cuivre River State Park (DNR)
12 - Blue Ridge Trail - Doniphan-Eleven Point (USFS)
13 - Bonanza CA (MDC)
14 - Broadfoot Trail - Ozark NSR (NPS)
15 - Bunch Hollow CA (MDC)
16 - Bushwhacker Lake CA (MDC)
17 - Busiek SF & WA (MDC)
18 - Castor River CA (MDC)
19 - Cedar Creek (USFS)
20 - Chubb Trail - Castlewood State Park (DNR)
21 - Cole Creek Trail – Houston-Rolla (USFS)
22 - Compton Hollow CA (MDC)
23 - Daniel Boone CA (MDC)
24 - Deer Ridge CA (MDC)
25 - Devils Backbone Trail - Willow Springs (USFS)
26 - Flag Spring CA (MDC)
27 - Forest 44 CA (MDC)
28 - Fort Crowder CA (MDC)
29 - Goggins Mountain Trail - Johnson's Shut-Ins (DNR)
30 - Charlie Heath Mem CA (MDC)
31 - Hercules Glade Trail - Ava (USFS)
32 - Hickory Ridge Trail - St. Joe State Park (DNR)
33 - Holly Ridge CA (MDC)
34 - Honey Creek CA (MDC)
35 - Huckleberry Ridge CA (MDC)
36 - Jerktail Trail - Ozark NSR (NPS)
37 - Joanna Trail - Mark Twain Lake (COE)
38 - Kaintuck Trail - Salem-Potosi (USFS)
39 - Katy Trail State Park (DNR)
40 - Lake Wappappello State Park (DNR)
41 - Lead Mine CA (MDC)
42 - Lick Creek - Mark Twain Lake (COE)
43 - Little Indian Creek CA (MDC)
44 - Little Lost Creek CA (MDC)

45 - Long Ridge CA (MDC)
46 - Longview Trail - Longview Lake (COE)
47 - McAdoo Trail - Knob Noster State Park (DNR)
48 - McCormack-Greer Trail - Doniphan-Eleven Point
49 - Moreau Creek Trail - Scrivner Road CA (MDC)
50 - Mudlick Trail - Sam A. Baker State Park (DNR)
51 - Orleans Trail - Stockton Lake (COE)
52 - Ozark Trail (Between the Rivers) - Doniphan-Eleven
53 - Ozark Trail (Blair Creek) - Salem-Potosi (USFS)
54 - Ozark Trail (Eleven Point) - Doniphan-Eleven Point
55 - Ozark Trail (Karkaghne) - Salem-Potosi (USFS)
56 - Ozark Trail (Marble Creek) - Fredericktown (USFS)
57 - Ozark Trail (Trace Creek) - Salem-Potosi (USFS)
58 - Ozark Trail (Victory) - Poplar Bluff (USFS)
59 - Ozark Trail (Lake Wappapello) (COE)
60 - Pee-Wah Trail - Trail of Tears State Park (DNR)
61 - Pike Run Trail - St. Francois State Park (DNR)
62 - Piney Creek Trail - Cassville (USFS)
63 - Poosey CA (MDC)
64 - Pleasant Hope CA (MDC)
65 - Prairie Home CA (MDC)
66 - James A. Reed Mem WA (MDC)
67 - Ridge Runner Trail - Willow Springs (USFS)
68 - Riverbreaks CA (MDC)
69 - Rock Bridge Memorial State Park (DNR)
70 - Rockwoods Range (MDC)
71 - J. Avery Ruble Memorial Trail - Meramec CA (MDC)
72 - Henry Sever Lake CA (MDC)
73 - Shawnee Trail - Ozark NSR (NPS)
74 - Smithville Lake (COE)
75 - Stockton Lake ML (MDC)
76 - Sugar Creek CA (MDC)
77 - Swan Creek Trail - Ava (USFS)
78 - Robert E. Talbot CA (MDC)
79 - Thompson River Trail - Crowder State Park (DNR)
80 - Three Creeks CA (MDC)
81 - Trail of the Four Winds Trail - Lake of the Ozarks
82 - Two Rivers Trail - Ozark NSR (NPS)
83 - University Forest CA (MDC)
84 - Victory Trail – Poplar Bluff (USFS)
85 - Wappapello Reservoir (MDC)
86 - Watkins Woolen Mill State Park (DNR)
87 - Whites Creek Trail - Doniphan-Eleven Point (USFS)
88 - Wire Road CA (MDC)

If an area you rode is not shown on the map, please feel free to write in its name.

Remember: many organized trail rides include public lands.

17 **Please enter the name of the area, trail or event you rode on the most in 2007.**

  Area #1 _____

a **In 2007, how many times did you ride this area?** _____

b **In 2007, how long was your average trip to this area?** _____ **(days)**

c **In what size group did you most often ride this area in 2007? (Check one box.)**
  Alone....................................
  Group of 2-4.........................
  Group of 5-10.......................
  Group of 11-19.....................
  Group of 20 or more.............

d **Did you camp at this area? (Check one box.)**
  Yes.......................................
  No ....

e **In 2007, how many <u>hours</u> did you typically ride per day at this area?** _____

f **Please rate the following amenities and factors at this area. (Check one box for each item.)**

	<u>Excellent</u> ▼	<u>Good</u> ▼	<u>Fair</u> ▼	<u>Poor</u> ▼	<u>Very Poor</u> ▼
Trail condition............	....	....	....	....
Trail length.................	....	....	....	....
Trail width..................	....	....	....	....
Trail signs..................	....	....	....	....
Maps	....	....	....	....
Area signs..................	....	....	....	....
Parking......................	....	....	....	....
Camping.....................	....	....	....	....
Scenery	....	....	....	....
Crowding	....	....	....	....
Public behavior...........	....	....	....	....

g **In 2007, how much did you spend per trip to this area in each category:**
  Travel (gas, oil, etc.)............. $_____
  Camping, motels, etc. .... $_____
  Food .... $_____
  Other travel expenses........... $_____
  Horse feed .... $_____
  Other horse expenses............ $_____

h **What do you like best about this area?**

_____

_____

i **What would you change about this area?**

_____

_____

j **Other comments about this area?**

_____

_____

18 **Please refer to the map on page 17 [*survey page numbering*] and enter the name of the area, trail or event you rode on the second most in 2007.**

    Area #2 _____

a **In 2007, how many times did you ride this area?** _____

b **In 2007, how long was your average trip to this area?** _____ **(days)**

c **In what size group did you most often ride this area in 2007? (Check one box.)**
    Alone.....................................
    Group of 2-4.........................
    Group of 5-10.......................
    Group of 11-19.....................
    Group of 20 or more.............

d **Did you typically camp at this area? (Check one box.)**
    Yes.......................................
    No ....

e **In 2007, how many <u>hours</u> did you typically ride per day at this area?** _____

f **Please rate the following amenities and factors at this area? (Check one box for each item.)**

	Excellent ▼	Good ▼	Fair ▼	Poor ▼	Very Poor ▼
Trail condition............	....	....	....	....
Trail length.................	....	....	....	....
Trail width.................	....	....	....	....
Trail signs..................	....	....	....	....
Maps	....	....	....	....
Area signs..................	....	....	....	....
Parking......................	....	....	....	....
Camping.....................	....	....	....	....
Scenery	....	....	....	....
Crowding	....	....	....	....
Public behavior...........	....	....	....	....

g **In 2007, how much did you spend per trip to this area in each category:**

Travel (gas, oil, etc.)............. $\$_____$
Camping, motels, etc. .... $\$_____$
Food .... $\$_____$
Other travel expenses............ $\$_____$
Horse feed .... $\$_____$
Other horse expenses .... $\$_____$

h **What do you like best about this area?**

_____

_____

i **What would you change about this area?**

_____

_____

j **Other comments about this area?**

_____

_____

19 **Please refer to the map on page 17 [*survey page numbering*] and list the names of up to 3 areas, trails or events that you rode on the third, fourth and fifth most in 2007.**

        Area #3 _____

        Area #4 _____

        Area #5 _____

Please tell us a little about yourself.

20 **In 2007, did you participate in a commercial trail ride(s) in Missouri? (Check one box.)**

        Yes.......................................

        No ....

21 **Are you a member of a saddle club or other horse group? (Check one box.)**

        Yes.......................................

        No ....

22 **Do you get your information about riding from the following sources? (Check one box for each line.)**

	Yes ▼	**No** ▼	**Don't Know** ▼
Books...	....	....
Brochures...	....	....
Family\friends.................................	....	....
Television...	....	....
Radio..	....	....
Missouri Conservationist magazine	....	....
Other magazines.............................	....	....
Missouri Department of Conservation website............................	....	....
Forest Service website.....................	....	....
National Parks website	....	....
Missouri Department of Natural Resources website	....	....
Other internet	....	....

23 **If agencies that manage horse trails offered educational programs on the following subjects, would you be interested in attending? (Check one box for each line.)**

	Yes ▼	**No** ▼
Trail building..	....	
Trail closures (e.g. when trails are wet).......	....	
Trail maintenance......................................	....	
Trail signage..	....	
Other _____ (Please specify)		

24 **Are you: (Check one box.)**
  Male ....
  Female..................................

25 **Please fill in your home zip code.**

26 **Please fill in your age. _____ (years old)**

27 **What best describes your current occupation? (Check one box.)**
  Manufacturing ....
  Professional/Managerial ....
  Agriculture ....
  Services...............................
  Student ....
  Homemaker...........................
  Not employed ....
  Retired.................................
  Other ....

28 **What is the highest education level that you have completed? (Check one box.)**
  Grade School ....
  Some High School ....
  High School ....
  Some College ....
  College ....
  Graduate/Professional..........

29 **What was your approximate gross annual household income in 2007? (Check one box.)**

Under $30,000 ....
$30,000 to $50,000 ....
$50,001 to $70,000 ....
$70,001 to $90,000 ....
$90,001 to $110,000 ....
$110,001 to $130,000 ....
Over $130,000......................

30 **Please tell us any other comments you have about horse trails on public lands in Missouri.**

Thank you for your time! Your responses will help Missouri better manage its public lands.